



VI. Q 144.



114.





T A B U L Æ  
ASTRONOMICÆ  
S E U  
P L A N E T A R I Æ

*Ex Quibus Solis , Lunæ, & cæterorum  
Planetarum Longitudo ac Latitudo  
deducitur.*

U.S. GOVERNMENT PRINTING OFFICE

1933

U.S. GOVERNMENT PRINTING OFFICE

U.S. GOVERNMENT PRINTING OFFICE  
U.S. GOVERNMENT PRINTING OFFICE  
U.S. GOVERNMENT PRINTING OFFICE

# ASTROSOPHIA NUMERICA IN QUA GENERALITER TABULÆ

*Helioselenokrozeoarographermometrica, sive Tabula  
Planetaria:*

*PARTICULARITER VERO*

Tabulæ Heliometriæ & Selenometriæ deficientis pro Eclipsibus  
tam numerice, quam geometricæ investigandis

*Una cum Tabulis Metarithmicæ, seu Astronomia Quotidiana  
inservientibus consignantur.*

A CANONICO  
ANGELO CAPELLO

A. P. PARMENSI

PARS POSTERIOR

Accedunt insuper appendices quædam & Observationes  
nonnullæ pro Eclipsi Solari anni 1733.  
à variis Auctoribus habitæ.



VENETIIS MDCCXXXVI.

---

Typis Antonii Moræ . Impensis Auctoris.  
SUPERIORUM PERMISSU.

216 A

1853

1853

1853

1853

1853

1853

# STUDIOSISSIMO LECTORI

Fœlicitates.

**A** Ntequam ad Tabulas Astrosophiæ partis prioris usui inservientes accedamus, prius appendices aliquæ, quas adnectimus perpendendæ erunt. Nec erant istæ omittendæ, ut mendis aliquibus, vel ex Typographi incuria, vel Correëtoris inadvertentia, vel ex alia quadam causa ortis, obviam iremus. Præterea in hujus Tomi II. sine observationes nonnullas, quas in Tomi I. Libri 2. capite 1x. pag. 153. promissimus, afferemus, ut Tabularum istarum cum Cælo consensus appareat, aquitasque confirmetur. Habes igitur L. S. quomodo observationes tuas cum Tabulis conferas, & quomodo calculos quæ te de Observationum tempore monebunt, perficias. Vale.

## APPENDIX AD LIBRUM I.

### Caput I. Punctum V.

Pag. 22.

**Q**uia logarithmi in Tabula ultima hujus diverso modo ab illo, quem in Tomo I. cogitabamus, exarati sunt; ideo linea 13. pag. 22. sic lege. Et si alius dicat: quot minuta dant particulæ 3516. ? has quæro in Tabulæ fronte: quas quia præcise non invenio, sumo proxime minores 3480., quæ à 3516 sublatae dant particulas vel secunda 36. Quare cum particulæ 3480. ad minuta 58. spectent, dico particulas 3516. efficere minuta 58. 36.

### Caput V. Punctum II. ejusdem Libri:

Pag. 46. & 47.

**Q**uæritur locus ☉ verus die 10. Januarij 1732 hora 20. 19. boroloni communit Venetiis. Calculus sic se habet.

R ☉ 1731	9. 9. 21. 1	Anom. 6. 1. 15. 3
Die 10	9. 51. 23	9. 51. 22
Long. ☉ media	9. 19. 12. 24	6. 11. 6. 25
Equatio add.	22. 47	
Locus ☉ verus	9. 19. 35. 11	In meridie dici 10. Januarij

A 2

De

Declinatio ☉ Austr.	22. 3.	M. 9.60750
Poli Veneti Altit.	45. 33.	M. 10.00834
Arcus Semid.	65. 37.	ex L2. 9.61584
Idest per Tabulam I.	hor. 4. 22. 28	
Tempus datum	hor. 20. 19.	
Adde	30	
Tempus Astron. hor.	25. 11. 28	
Abiectis hor. 24	1. 11. 28	
Æquatio temp. add.	8. 0	
Tempus æquatum hor.	1. 19. 28	P. M. diei 10.
Long. ☉ med. ut supra	9. 19. 12. 24	Anom. 6. 11. 6. 25
Pro hora 1.	2. 28	2. 28
Pro min. 19.	47	47
Pro sec. 28	1	1
Alia Solis long.	9. 19. 15. 40	6. 11. 9. 41
Æquatio add.	22. 53	
Locus ☉ hoc tempore	9. 19. 38. 33	

### EXEMPLUM II.

*Cupit quis locum ☉ anno 1728. die 10. Augusti hora 14. 25. hor. communis in Poli altitudine gr. 46. 31. sitq. hora 14. 32. 44. Venetiis.*

☉ 1727	9. 9. 19. 12	Anom. 6. 1. 16. 34
Julio Bis.	6. 29. 56. 34	6. 29. 56. 5
Die 10	9. 51. 23	9. 51. 22
Long. ☉ med.	4. 19. 7. 9	1. 11. 4. 1
Æquatio Sub.	1. 15. 0	
Locus ☉ verus	4. 17. 52. 9	in meridie
Declin. ☉ Bor.	15. 30	M. 9.44299
Poli Altitudo	46. 31. 0	M. 10.02300
Arcus seminocturnus	73. 0.	ex L2. 9.46599
Valet æquatoris	h. 4. 52	
Arcus Semid.	h. 7. 8	
Tempus datum	h. 14. 32. 44	
Adde etiam	30	
Tempus Astron.	h. 22. 10. 44	diei 9. Residuum ex Tab. VII.
Æquatio Temp. add.	4. 48	hor. 1. 2. 28
Tempus æquatum h.	22. 15. 32	M. 44. 1. 48
Residuum à meridie h.	1. 44. 28	Sec. 28. 1
		Portio 4. 17
		Erat

Erat Long. ☼ med.	4. 19. 7. 9	Adom.	1. 11. 4. 1
Deme	4. 17		4. 17
Alia ☼ long. med.	4. 19. 2. 52		1. 10. 59. 44
Æqu. sub.	1. 14. 53		
Locus ☼ verus	4. 17. 47. 59	ad hoc tempus.	

### E X E M P L U M I I I.

*Exurgit alius qui locum Solis eadem die 10. Augusti 1728. sed hora 7. 40 n. 5. Parma, quæ Venetiis est 7. 47. 44. desiderat.*

Fuit ☼ in meridie	4. 17 52. 9.	in exemplo antecedenti	
Et arcus semid.	h. 7. 8		
Tempus datum	h. 7. 47. 44		
Adde	30		
Tempus Astron.	h. 15. 25. 44	eiusdem diei 10.	
Æquatio add.	4. 48		
Tempus æquatum	h. 15. 30. 32		
Erat longitudo med.	4. 19. 7. 9	Anom.	1. 11. 4. 1
Pro horis 15	36. 58		36. 58
Pro min. 30	1. 14		1. 14
Pro sec. 32	11		1
Alia long. med.	4. 19. 45. 22		1. 11. 42. 14
Æquatio sub.	1. 15. 57		
Locus ☼ verus	4. 18. 29. 25		

## C A P U T VIII.

### P U N T U M I.

*Prac. 15. pag. 63.*

**I**N Præcepto (15) N.E. cum æquationem  $\Omega$ ; & numeros artificiales quæris in Tab. XIX. vice argumenti latitudinis in sinistri laterculi fronte assignati distantiam  $\odot$  à  $\Omega$  intellige, cum hac enim æquatio  $\Omega$ , & numeri artif. adsumuntur, nam argumentum latitudinis  $\mathcal{D}$  pro reductio<sup>n</sup>e tantum repertienda inservit.

# CAPUT IX. PUNCTUM IV.

Pag. 79.

## Exemplum III. Pro $\sigma$

**V**isus fuit per observationem hujus Planete locus anno 1717. Febr. 14. h. 17. 51. 15. Massilia à Cl. P. Laval, sed Venetiis hora 18. 32. 48. temporis medii, deductusque fuit ex comparatione lucide frontis  $\odot$ ; reperiit enim declinationem  $\sigma$  minorem fixa min. 2. 36. ascensionemque ejusdem rectam min. 28. 37. pariter minorem. Unde evadit per Problema 28. Lib. III. longitudo  $\sigma$  gr. 28. 48. 39.  $\odot$ , latitudo autem 0. 59. 37. Borea. Manfredus habet gr. 28. 47. 48. pro  $\sigma$  longitudine, & 0. 59. 41. pro latitudine; supputatio enim facta fuit in Tabula ad obliquitatem nostram majorem. Igitur ad hoc tempus tales extant calculi.

	Anomalia	Præc. Acquin.
$\sigma$ 1716 compl.	I. 5. 1. 31	1700. 0. 28. 55. 58
Januar. compl.	16. 14. 42	16 13. 20
Die 14	7. 20. 11	Jan. compl. 4
Hor. 18	23. 35	D. 14 2
l 32	42	0. 29. 9. 24
ll 48	1	
Anomalia $\sigma$	I. 20. 0. 42	Incl. S. D.
Cum I. 29. long.	5. 21. 39. 2	0. 48. 32
Differentia	53. 51	I. 35 S. 52 S.
Proportio	0. 38	I 1
Longitudo $\sigma$ ab Y	5. 21. 39. 40	0. 48. 31 $\sigma$ 5.20549
Præc. æqu. add.	29. 9. 24	Valet $\odot$ 4.99502
Long. $\sigma$ ab æquino.	6. 20. 49. 4	Gr. 58. 22. 12 M. 10.21047
Locus $\odot$ verus	10. 26. 31. 49	Tolle 45
Angulus com.	4. 5. 42. 45	13. 22. 12 M. 9.37599
Æqu. Add.	1. 7. 59. 4	Sesqu. 62. 51. 22 M. 10.29014
Loc. $\sigma$ verus	7. 28. 48. 8	Valet 24. 52. 18 M. 9.66613
Observatus	7. 28. 48. 9	Æqu. 37. 59. 4
Cassinus	7. 28. 46.	Elong. 87. 43. 40 L. 9.99966
Hyræus	7. 28. 45. 20	Angul. 35. 42. 45 R12.0.09047
		Incl. 0. 48. 31 LN. 3.46404
		Lat. vera 0 59. 42 LN. 3.55417
		Observ. 0. 59. 41
		Cassinus I. 2
		Hyræus I. 1. 35

Ergo etiam hic Sireetiana Tabula  
exactiores sunt.

N. P.



N. B. Cum Tabulæ latitudinum præcipue inferioribus Planetis à Cælo non parum dissentiant, (ut ab Observationibus pluribus innouit) alia methodo, & quidem sequenti uti necesse erit. Pro  $\varphi$  à longitudine ejusdem ab  $\gamma$  tolle signa 1. gr. 15, & in residuo habebis argumentum latitudinis ab  $\gamma$ , cui logarithmum adaptabis, eique semper 8.76883, & in producto habebis Mesologarithmum inclinationis optatæ, quem postea suo loco, idest apud Elongationem & Angulum appohes, ut in producto fiat Mesologarithm. latitudinis veræ. Erit autem hæc Septentrionalis posito argumento in primo semicirculo, Meridionalis in secundo. Pro exemplo. Data fuit longitudo  $\varphi$  ab  $\gamma$

pag. 80. T. I. 7. 5. 49. 49

Tolle 1. 15

Argum. latit. 5. 20. 49. 49

Adde

Mesolog. inclin.

Elong. erat

Ang. com.

Horum summa idest lat. vera :

L. 9.20237

8.76883

M. 7.97120

L. 9.84622

RL2. 0.24258

M. 8.06000 0 39 29 S.

Idem fiat pro  $\varphi$ , sed ab ejusdem longit. ab  $\gamma$  tolluntur tantum gr. 15. 42. & logarithmo argumenti additur 9.07958. cætera vero ut supra.

Ceterum calculatoribus notum facimus in calculis Planetarum pag. 76. & seqq. equationem temporariam aliquando ~~2. vel 3. secundis~~ excedentem dari, quippe cum calculus exaratus fuit, Parma morabar, neque aliam temporis equationem ad manus habebam, quam illam, que in Manfredii Introductione ad Ephemerides reperitur, ego autem aliam ad annum 1729. post calculavi, ut exactior esset, ut puncto 4. Cap. 11. Libri I. innuimus.

## A P P E N D I X A D L I B. II.

### CAPUT I. PUNCTUM II.

Pag. 92.

**I**N linea 8. 12. *digitos obscurata est*; deinde sic lege. Si à Z in H hoc est &c. & Linea 10. ubi ait ex V ad H lege ex Z ad N.

### C A P U T V I I I.

Præc. (12) Pag. 137

**P**ost lineas septem præc. (12) sic lege. Hæc interim norma utendum erit. A puncto N fig. 21. ubi  $\Delta$  diametri peripheria terminat ad punctum

Atum Z, ubi circulus umbræ terrestris desinit; intervallum circino assume, eumq. in diametrali instrumento numera, numerumque repertum adde digitis 12. & productum digitos, & digitorum portiones sexagesimas, si quæ sint, pro exacta Eclipsus mensura, & quantitatem exhibebit.

## IN EODEM CAP VIII.

Pag. 139.

**I**N fine paginæ 139. adde. Nec dissimili modo ingressum ☿ in Solis disco, ejusque semitam ac temporis momentum ingressus. & egressus per similem projectionem reperire potes, hoc tamen ordine servato. Data ☿ & ☿ longitudine, nec non ejusdem ☿ latitudine ex Ephemeridibus vel aliunde, tempus quo horum ☿ in longitudinem accidit per Problema XLVIII Libri III. Tomi primi, nec non ☿ semidiametrum ex Tab. XII: hujus anomalix ☿ ope inquire, sicuti etiam horarium ☿ à ☿ motum ex ejusdem diurno dato Problematis XLV auxilio notum habeas. Quibus datis fac tibi partium æqualium 33. scalam (multo majorem quam Tabula VIII. exhibet, ut sit exactior) quæ minuta Solaris diametri referet, ut in fig. 48. ex qua circulus vel semicirculus A B C fig. 50. componi debet; aliam quoque scalam horarii motus ☿ à ☿ dati ex partibus scalæ prioris desumptam & in minuta 60. divisam parabis, ut in fig. 49. Quibus paratis ex minutis, quibus semidiameter ☿ tunc temporis data constat, circulum vel semicirculum A B C construe, deinde duc diametrum AC, ad cujus centrum D elevetur perpendicularis DE similis minutis ☿ latitudinis in priori scala desumptis ad partem B si sit Borealis, sed in opposita, si sit Australis, qua ducta semicirculum manulem in puncto E aptabis ut ☿ semitam ad angulum inclinatorium graduum 8. 15. reperiās, si inter Aprilem & Majum fiat ☿, sed si inter Octob. & Novemb. gr. 10. 18; Inclinatio autem semper erit à parte orientis; sed ☿ semita erit in parte superiori, idest versus B si sit sept. at sub D si sit merid. Ingressus semper sit in parte orientali A, & egressus in C. occidentali. Reperta ergo ☿ semita, ejusdem semitæ dimidium, vel perpendicularum D F, vel ex medietate lineæ G H inveniendum erit. Reperiatuꝛ reductio ex intervallo F E in horarii scala comparato, cujus media quantitas auferenda erit à tempore ☿ dato, si F sit ex parte orientis A, addenda si in C, ut fiat tempus medium transitus ☿ sub sole. Initium sive ingressus ex intervallo F G, vel F H, quæ est mora dimidia in Solis disco in horaria scala cognito, si videlicet tempus semimoræ ex medio tempore auferas, egressus, si hoc addas, innoteſcet. Distantiam autem ☿ semitæ à ☿ centro dignosces, si intervallum D F in priori scala compares, apparebunt enim in eadem minuta quæ sitæ distantix. Sed ne desit exemplum.

*Exploꝛanda sit ☿ ☿ ☿ anno 1723 die 9. Novembris contingens, an fiat in disco ☿ ingressus, an non.*

Accidet

Accidet  $\sigma$  hæc in longitudinem juxta Cl. Manfredii numeros in suis Ephemerilibus appositos hora 6.26.t. medii, sed hora. 6.42. t. veri & ejus latitudo Bor. 4.42. & motus horarius  $\odot$  à  $\odot$  min. 5.50. &  $\odot$  Semid. min. 16. 16. qua de re factis operationibus ut supra, invenitur reductio FE min 9. demenda à tempore  $\sigma$  vero h. 6. 42. ut fiat tempus verum medii transitus  $\odot$  hor. 6. 33, & intervallum lineæ GF dimidium GH reperitur horarum 2. 39. quæ ablata ab horis 6. 33 dant ingressum ejusdem  $\odot$  in  $\odot$  disco hora 3. 54. & egressum hora 9. 12. mora  $\odot$  sub Sole hor. 5. 18. Distantia  $\odot$  à  $\odot$  centro visa min. 4. 40.

Sed & hic calculus erit exactior, si ex Tabulis  $\odot$  &  $\odot$  loca ad secunda usque scrupula inquirantur, & tempus summa cura reperiatur.

## I N E O D E M C A P. VIII.

*Sed Pag. 142.*

**N**B. reductio subtr. à mediæ Eclipsis tempore min. 3. 1. deberet esse juxta Flamstedii Tabulam 3. 15; ideo castigandi erant numeri illi additione sec. 14. erat enim reductio nostra olim minor, sed cum Flamstedii subtilitatem sequamur calculum renovamus tali pacto.

Reductio subtr. à mediæ Eclipsis tempore	3. 15
Unde tempus Eclipsis verum	h. 7. 55. 3
<del>Tempus incidentiæ</del>	<del>h. 1. 34. 45</del>
Unde initium defectus	h. 6. 20. 18
Et finis	h. 9. 29. 48
Tota Eclipsos duratio	h. 3. 9. 30

*Hæc castigatio in calculo geometrico pro nibilo reputatur cum de minutis primis tantum habeatur ratio.*

## C A P. IX. P R Æ C. 21.

*Pag. 149. Linea 1.*

**I**N reliquo erunt digiti quæsti. Hoc etiam appendicem patitur, siquidem præceptum illud tantum verificabitur, quum Solis Semidiameter datæ Lunæ semidiametro æqualiserit, vel saltem  $\odot$  semid.  $\odot$  semidiametrum excedat. At si  $\odot$  semidiameter  $\odot$  semid. minor sit, tunc ( ut operatio æqua sit ) lineam ex. gr. AB fig. 39. ducere debes summæ semidiametrorum  $\odot$  &  $\odot$  æqualem, in qua partes 12, quas capit Solis diameter describantur incipiendo ab A versus B, & remanebit 12. B pro excessu supra  $\odot$  diametrum. Quo facto si minoris intervalli tempus, quod est tempus summæ obsurationis, circino in dicta linea quæras, posito videlicet uno circini pede in B, alter digitorum eclisatorum numerum tibi demonstrabit. Quod si forte reperias B 12. erit obscuratio totalis; & si minor B. 12. intervallum

lum fuerit, erit totalis cum mora tot minutorum, quot divisio indicabit. Si vero ☉ semid. esset  $\mathcal{D}$  semidiametro major, & reperiatur intervallum  $B\ 12.$   $\mathcal{D}$  diameter lucidum annulum in Solis disco circumscribet, unde obscuratio annularis dicitur. Si vero essent digiti observati cum calculo conferendi, ad tempus examinandum, tunc sumpto in eadem linea intervallo  $B\ 1.$  hocque tam in semita penumbræ, quam in semita loci tui comparato, ubi eadem hora, aut horæ particula signari contigerit, erit illud tempus optatum. Idem die de duobus vel tribus digitis, intervallo tamen  $B\ 2.$   $B\ 3.$  desumpto usque ad maximam obscuracionem, post quam inverse circinum tanquam si finis Eclipsi querendus esset, & digitorum intervallo eodem pacto compara, ut nos in Eclipsi Witembergæ 1733, & Romæ 1734 observata præstavimus. Alio modo idem haberi posset, si nempe hora observationis in utraque semita reperiatur, & postea in linea  $AB$  comparata, digitum datum, vel digitorum differentiam, si qua sit, demonstrabit, ut in Eclipsi 1733. Berolini observata à nobis factitatum fuit.

Instrumento diametrali semper uti potes, sed cum semidiam.  $\mathcal{D}$  ☉ semidiametrum excedit, tunc in descripta linea summæ semidiametrorum ☉ &  $\mathcal{D}$  æquali intervallum notandum est, & residuum in Instrumento quæsitum partes obscuratas eodem pacto indicabit.

In Tabulis revolutionum Eclipsium  $\mathcal{D}$  Anomaliam in mensibus ac diebus aliquantulum auctam damus, & per aliquot secunda distantiam  $\mathcal{D}$  à  $\Omega$  correximus, ideo exempla in Libro H. apposita corrigenda erant, quoniam vero error insensibilis in supputatione evadit, correctionem hanc Candidatis innuisse satis erit.

## APPENDIX AD LIBRUM III

Pag. 170.

**P**Ro maxima obliquitate Eclipticæ  $L2. 9. 96247'$  adhibe  $L2. 9. 96249'$  ut calculus exactior fiat. Tabulam ideo quam condideram de novo condidi ut obliquitati veræ responderet, quam usurpare licebit etiam ad gr. 23. 28. 20. ut Parisiis novissime observata fuit.

## APPENDIX AD IV. LIBRUM.

Pag. 275. ubi de  $\mathcal{D}$  Ephemeride agitur.

**C**ompendii gratia ut cito Lunæ latitudinem reperias, argumenti latitudinis signa & gradus ad Tabellam conversionis in paginæ 217 sine consignatam reducantur, quibus reductis & numerum graduum, & logarithmum, vel log. secundum reperiendum indicabit, qui (si placet) etiam solis 4. figuris ultra caracteristicam sufficiet, sicuti etiam numeri artificiales per unam figuram decutandi erunt, & latitudinis  $\mathcal{D}$  veræ gradus & minuta prima satis exacta pro Ephemeridibus provenient. Sic pro exemplo argumentum latitudinis  $\mathcal{D}$  signa 5-gr. 2. min. 30. erunt per Tabellam

ante-

antedictam gr. 62. 30. cum titulo L. 2. cujus logarit. 2. erit 9. 6644; sintque numeri artificiales 1. 0526. qui à priore logarithmo subducti log. 8. 6118. importabunt, qui in Tab. logarit. quæsitus dabit gradus 2. 21. pro latitudine optata S. D.

# P R O B L E M A XLIIL

Pag. 230.

**N**B. cum in calculis Domorum sesqui-ascensio gr. 90. præcise adæquat calculus frustraneus evadit, nam tunc arcus quæsitus est præcise gr. 0. 0. 0; idem dic si sesqui-excessus quadrantem attingat, tunc enim absque alio calculi labore arcus est 0. 0. Y.

Notandum etiam est, quod si detur pro 2. & 3. domo *sesqui-ascensio*, tunc  $\odot$  logarithmici producti non indigemus, sed logarithmorum summam seu productum conficere sufficiet, cui modo consueto mesologarithmum adaptabis, ut arcum optatum adinvenias, & cætera, ut in eodem Problemate, perages. Secus intelligendum est, si pro domo XII, vell. habeatur *sesqui-excessus*, nam tunc ad  $\odot$  logarithmicum recurrendum est. Qua propter nisi Tabulam Poli tui conditam habeas, prius ad Poli tui altitudinem productum logarithmicum quære, nec non ejusdem  $\odot$ , quæ apud te in futuros usus serva. Quomodo autem hoc fiat, & à Problemate XXIII, & à Cap. III Libri III. habebis. Sed ne desint exempla, sint ad Polum Venetum gr. 45. 33. ~~querenda hæc producta logarithmica~~, sed primo Polus Domus XI, & XII per Probl. XL.

Pro XI. log.	9.69897	Pro XII. log.	9.93753
Poli Veneti Mes.	10.00834	o l	M. 10.00834 o. l
Polus XI ex M.	9.70731	27. o. XII. M.	9.94587 41. 26

*Reliquum calculi sic procedet.*

Polus XI gr.	27. 0		
Adde gr.	90		
Polus fictus	117. 0		
Obliqu. Eclipse	23. 28		
Summa	140. 28		
Differentia	93. 32		
Semisumma	70. 14	RL2. 0.02638	RL2. 0.47084
Semidiffer.	46. 46	L. 9.86247	L2. 9.83567
Productum logarithmicum I. *	9.88885	II. *	6.30651
Producti logarithmici $\odot$	0.11115	$\odot$	9.69349

Idem calculus fiat pro domo XII, & I inquirendi producti logarit. & oppositi gratia; ideoque cum dabitur sesqui-ascensio productio logarit; sed cum dabitur sequi-excessus  $\odot$  producti utemur, ut omnia bene se habeant.

## A D L E C T O R E M

### Monitum.

**Q**uia vero à prestantissimis celeb. Nevutoni inventis maximum Astronomiam accepisse incrementum novi, ideo dum hæ prelo Tabulæ committebantur, alias istis longe exactiores construxi, quas cum Astrosophia: numericæ ornamentum ac utilitatem non parvam allaturas viderim, Eruditis communicare lubenter volui, easq. tanquam *Supplementum* emittere; supplet enim hæ, ubi deficiunt illæ, unde hoc titulo, post II. hunc Tomum, tamquam III. facturus, insignitum volui, scilicet. *Astrosophia numerica supplementum, idest Helio-selenometria ad numeros revocata, quod idem sonat, ac exactissima Luminarium Tabula juxta hypotheses ac mensuras Celeb. D. Isaacci Nevutoni equitis aurati à Can. ANGELO CAPELLO Astronomia Professore Parmensi adificata, quarum ope Solis & Luna loca mira facilitate supputari possunt, ibique nova Eclipsium Solis & Lune (excluso quolibet parallaxium ac triangulorum calculo) nec non Mercurii in Solis, aut Siderum in Luna disco occultationum, selo circini & regulæ auxilio describendarum methodus traditur.* Opus profecto ab iis, qui Astrosophiæ fontem gustaverint, exoptandum maxime ac excolendum: nullæ enim in istarum comparatione huc usq. editæ Solarem, ac Lunarem locum Tabulæ tam exacte exhibebunt, ut Supputatoribus ac Observatoribus liquido constare poterit. Cumq. hoc in genere nihil amplius desiderandum sit, *Astrosophiam* nostram *Supplemento* hoc tanquam aureo sigillo munitam ac firmatam claudere placuit.

## N O I R I F O R M A T O R I

### dello Studio di Padova.

**A**Vendo veduto per la fede di Revisione, & Approvazione del P. Fr. Tomaso Maria Gennari Inquisitore nel Libro intitolato: *Astrosophia Numerica, in qua generaliter Tabulæ &c. Ast. Canonico Angelo Capello.* non v'esser cos' alcuna contro la Santa Fede Cattolica, e parimente per Attestato del Segretario Nostro; niente contro Principi, e buoni Costumi, concediamo Licenza à D. Antonio Moro Stampatore, che possa esser stampato, osservando gli ordini in materia di Stampe, e presentando le solite copie alle Pubbliche Librarie di Venezia, e di Padova.

Dat. 24. Agosto 1736.

( Michiel Morosini K. Rifor.

( Gio: Emo Procur. Rifor.

(

Agostino Gadaldini Seg.

1736. 4. Settembre.

Registrato nel Mag. Eccell. Sopra la Best.

Angelo Legrenzi Seg.

Ta-

## Tabula I.

Partes Æquatoris in tempus medium.						Tempus medium in Partes Æquatoris.							
G.	H.	M.	G.	H.	M.	H.	G.	M.	G.	M.	M.	G.	M.
M.	M.	S.	M.	M.	S.		S.	M.	S.	S.	S.	M.	S.
S.	S.	T.	S.	S.	T.		T.	S.	T.	T.	T.	S.	T.
1	0	4	31	2	4	1	15	1	0	15	31	7	45
2	0	8	32	2	8	2	30	2	0	30	32	8	0
3	0	12	33	2	12	3	45	3	0	45	33	8	15
4	0	16	34	2	16	4	60	4	1	0	34	8	30
5	0	20	35	2	20	5	75	5	1	15	35	8	45
6	0	24	36	2	24	6	90	6	1	30	36	9	0
7	0	28	37	2	28	7	105	7	1	45	37	9	15
8	0	32	38	2	32	8	120	8	2	0	38	9	30
9	0	36	39	2	36	9	135	9	2	15	39	9	45
10	0	40	40	2	40	10	150	10	2	30	40	10	0
11	0	44	41	2	44	11	165	11	2	45	41	10	15
12	0	48	42	2	48	12	180	12	3	0	42	10	30
13	0	52	43	2	52	13	195	13	3	15	43	10	45
14	0	56	44	2	56	14	210	14	3	30	44	11	0
15	1	0	45	3	0	15	225	15	3	45	45	11	15
16	1	4	46	3	4	16	240	16	4	0	46	11	30
17	1	8	47	3	8	17	255	17	4	15	47	11	45
18	1	12	48	3	12	18	270	18	4	30	48	12	0
19	1	16	49	3	16	19	285	19	4	45	49	12	15
20	1	20	50	3	20	20	300	20	5	0	50	12	30
21	1	24	51	3	24	21	315	21	5	15	51	12	45
22	1	28	52	3	28	22	330	22	5	30	52	13	0
23	1	32	53	3	32	23	345	23	5	45	53	13	15
24	1	36	54	3	36	24	360	24	6	0	54	13	30
25	1	40	55	3	40	25		25	6	15	55	13	45
26	1	44	56	3	44	26		26	6	30	56	14	0
27	1	48	57	3	48	27		27	6	45	57	14	15
28	1	52	58	3	52	28		28	7	0	58	14	30
29	1	56	59	3	56	29		29	7	15	59	14	45
30	2	0	60	4	0	30		30	7	30	60	15	0

## Tabula II.

Civitatum & Locorum, cum differentia Meridiana  
& eorum latitudine.

Nomina Civitatum, & Locorum	Differentia Temporis à Veneto Meridiano.			Latitudo		
	H	l	ll	o	l	ll
Abbavilla	o	42	12	A.	50	6 30
Ambianum	o	40	33	A.	49	54 0
Amsterdamum	o	31	10	A.	52	23 0
Ancona Italiæ	o	5	45	S.	43	54 0
Andegavium	o	52	0	A.	47	27 0
Antipolis	o	21	19	A.	43	34 12
Antuerpia	o	33	0	A.	51	14 0
Argentoratum	o	18	35	A.	48	27 30
Arelatum	o	31	10	A.	43	40 0
Affisium	o	3	8	S.	42	54 0
Athenæ	o	54	30	S.	37	40 0
Avvenio	o	28	56	A.	43	52 0
Augusta Vendelicorum	o	5	0	S.	48	24 0
Bamberga	o	5	16	S.	49	56 0
Barcinum	o	41	30	A.	41	26 0
Baſilea	o	19	25	A.	47	40 0
Bastianum Italiæ	o	3	16	S.	45	51 0
Bergomum	o	12	18	A.	45	43 0
Berolinum	o	3	48	S.	52	30 10
Bononia Italiæ	o	4	25	A.	44	30 15
Bretlia	1	6	21	A.	48	23 0
Brixia	o	6	24	A.	45	30 0
Burdegala	o	50	13	A.	44	50 0
Buxerum	o	8	8	A.	44	55 0
Cadomum	o	51	40	A.	49	10 35
Calesium	o	42	50	A.	50	56 50
Candia	1	7	32	S.	35	18 45
Cantabrigia	o	51	24	A.	52	12 0
Carpia	o	5	30	S.	44	48 0
Castilio Styverorum	o	7	34	A.	45	24 0
Cæſena	o	1	4	S.	44	13 0
Compostella	1	28	40	A.	42	58 0



## Tabula II

Nomina Civitatum, & Locorum.	Differentia Temporis à Veneto Merid.			Latitudo		
	H		ll	o	l	ll
Constantinopolis	1	5	54	S.	41	6 0
Corrigium	0	4	48	S.	44	47 0
Cracovia Poloniæ	0	31	40	S.	50	19 0
Crema	0	9	24	A.	45	16 0
Cremona	0	8	24	A.	45	1 0
Dantiscum seu Gedanum	0	21	6	S.	54	22 52
Domus Lauretana	0	7	48	S.	43	40 0
Ephesus	1	14	10	S.	38	0 0
Edemburgum	1	0	26	A.	55	47 0
Fabrianum	0	8	32	S.	43	28 0
Fanum	0	1	32	S.	43	58 0
Faventia	0	0	40	S.	44	33 0
Ferraria	0	3	20	A.	44	54 15
Firmium	0	8	32	S.	43	28 0
Flandria	0	52	32	A.	52	30 0
Flexia	0	50	32	A.	47	41 46
Fiorentia	0	4	42	A.	43	46 0
Francofurtum Mœni	0	15	35	A.	50	4 0
Francofurtum ad Oderam	0	11	28	S.	52	20 0
Frenequera	0	25	28	A.	53	12 0
Gades	1	13	16	A.	36	16 0
Gandavum	0	34	56	A.	51	3 0
Genua	0	14	57	A.	44	27 0
Gratianopolis	0	27	20	A.	45	16 0
Grenovicum	0	47	41	A.	51	28 30
Hafnia	0	2	56	S.	55	40 45
Insula Ferri sub primo merid.	2	24	1	A.	28	5 0
Ingolstadtium	0	2	0	A.	48	40 0
Londinum	0	51	24	A.	51	32 0
Lugdunum	0	27	23	A.	45	45 20
Lutetiæ Parisiorum	0	38	43	A.	48	50 10
Lucca	0	6	16	A.	43	40 0

B 2

Ta.

## Tabula II.

Nomina Civitatum, & Locorum.	Differentia Temporis à Veneto Merid.			Latitudo.		
	H	l	ll	o	l	ll
Lipſia	o	5	35	S.	51	19
Macerata	o	7	o	S.	43	33
Matritum	o	59	32	A.	40	26
Mantua Italiz	o	5	40	A.	45	11
Matilia	o	26	48	A.	43	19
Mediolanum	o	14	20	A.	45	20
Melita Inſula	o	8	10	S.	35	50
Meffana Siciliz	o	15	20	S.	38	21
Mirandula	o	3	48	S.	44	54
Monsferratus	o	43	24	A.	41	33
Mutina	o	6	25	A.	44	38
Narbona	o	38	20	A.	43	15
Neapolis	o	13	20	S.	41	5
Neoburgum	o	5	58	A.	48	39
Norimberga	o	6	25	A.	49	27
Novellaria	o	5	18	A.	44	43
Nurſia	o	7	8	S.	42	41
Oxonium	o	55	39	A.	51	44
Papia	o	11	44	A.	44	58
Parma	o	7	44	A.	44	48
Patavium	o	2	1	A.	45	31
Pifaurum	o	4	40	S.	44	7
Placentia	o	9	40	A.	44	52
Praga	o	9	o	S.	50	4
Ravenna	o	1	18	A.	44	26
Leggium	o	5	28	A.	44	43
Redones	o	57	28	A.	48	3
Riccinetum	o	7	24	S.	43	38
Rhodus	2	2	o	S.	36	22
ROMA.	o	o	55	S.	41	54
Rhotomagus	o	45	20	A.	49	27
Rupella	o	54	13	A.	46	10

## Tabula II.

	Differentia Temporis à Veneto Merid.			Latitudo		
	H.	l	ll	o	l	ll
Salernum	o	14	40	S. 40	51	o
Salisburgum	o	5	12	S. 48	27	o
Senogalia	o	5	24	S. 43	55	o
Syracusa Siciliæ	o	13	o	S. 37	4	o
Smirna	I	13	20	S. 38	22	o
Spoletum	o	4	48	S. 42	43	o
Stokolmia	o	24	40	S. 59	30	o
Strigonium Ungariæ	o	28	48	S. 47	30	o
Tarentum	o	24	20	S. 40	40	o
Taurinum	o	18	25	A. 44	50	o
Tirolium	o	6	o	A. 46	38	o
Tolentinum	o	5	10	S. 43	26	o
Toletum Hispaniæ	I	8	20	A. 39	46	o
Tridentum	o	4	40	A. 46	10	o
Turones	o	47	20	A. 47	23	o
Tunetum	o	10	20	A. 35	18	o
Valentia Hispaniæ	o	53	I	A. 39	30	o
Valentia Galliæ	o	31	24	A. 50	20	o
Varavia Poloniæ	o	36	38	S. 52	14	o
VENETIÆ	o	o	o	A. 45	33	25
Vercellæ	o	14	12	A. 45	3	o
Verodunum Burgundiæ.	o	21	20	A. 46	58	o
Verodunum Lorenzæ	o	27	16	A. 49	5	o
Vesulus Mons	o	18	28	A. 44	35	o
Vetuvius	o	13	20	S. 41	4	o
Verona	o	5	28	A. 45	30	o
Vicentia	o	3	28	A. 45	32	o
Vienna Austriæ	o	21	35	S. 48	14	o
Vienna Galliæ	o	31	28	A. 45	32	o
Viterbum	o	2	32	S. 42	21	o
Ulyssippo	I	24	56	A. 38	40	o
Vraniburgum	o	3	24	S. 55	54	30








## Tabula III.

Equationis Tempore ad annum 1729 supputata, quæ ad plures annos ante & post inservire potest.

☉	Y		V		II		OB		Ω		mp	
	Adde		Subtr.		Subtr.		Adde		Adde		Adde	
	l	ll	l	ll	l	ll	l	ll	l	ll	l	ll
0	7	40	1	11	3	57	1	6	5	50	2	16
1	7	21	1	24	3	53	1	19	5	52	2	0
2	7	2	1	37	3	49	1	33	5	53	1	44
3	6	43	1	50	3	44	1	46	5	54	1	27
4	6	24	2	2	3	38	2	0	5	54	1	9
5	6	5	2	14	3	32	2	13	5	54	0	51
6	5	46	2	25	3	25	2	26	5	53	0	33
7	5	27	2	35	3	18	2	38	5	51	0	15
8	5	8	2	45	3	11	2	51	5	48	0	4
9	4	49	2	55	3	3	3	3	5	45	0	23
10	4	30	3	4	2	54	3	16	5	41	0	42
11	4	11	3	12	2	45	3	28	5	37	1	2
12	3	52	3	20	2	36	3	39	5	31	1	22
13	3	33	3	27	2	26	3	50	5	26	1	42
14	3	14	3	34	2	15	4	1	5	19	2	2
15	2	56	3	40	2	5	4	11	5	12	2	23
16	2	38	3	45	1	54	4	21	5	4	2	44
17	2	20	3	50	1	42	4	31	4	56	3	4
18	2	2	3	54	1	31	4	41	4	47	3	25
19	1	44	3	58	1	19	4	50	4	37	3	47
20	1	26	4	1	1	7	4	58	4	27	4	8
21	1	9	4	3	0	54	5	5	4	17	4	29
22	0	52	4	5	0	41	5	13	4	5	4	51
23	0	36	4	6	0	28	5	19	3	53	5	12
24	0	19	4	6	0	15	5	25	3	41	5	34
25	0	3	4	6	0	2	5	31	3	28	5	55
26	0	S 12	4	6	0	A 11	5	36	3	15	6	16
27	0	27	4	4	0	25	5	40	3	1	6	37
28	0	42	4	2	0	39	5	44	2	46	6	59
29	0	57	4	0	0	52	5	47	2	31	7	20
30	1	11	3	57	1	6	5	50	2	16	7	41

## Tabula III.

*Æquationis Temporaneæ ad annum 1729 supputatæ; quæ ad  
plures annos ante & post inservire potest.*

	 Subtr.		 Subtr.		 Subtr.		 Subtr.		 Adde		 Adde	
	I	II	I	II	I	II	I	II	I	II	I	II
0	7	41	15	32	13	28	1	4	11	37	14	26
1	8	2	15	39	13	12	0	34	11	54	14	20
2	8	23	15	46	12	54	0	A 5	12	10	14	13
3	8	43	15	52	12	36	0	25	12	25	14	6
4	9	3	15	57	12	17	0	54	12	40	13	58
5	9	24	16		11	58	1	23	12	54	13	49
6	9	43	16	5	11	38	1	52	13	7	13	40
7	10	3	16	8	11	17	2	21	13	19	13	30
8	10	22	16	10	10	55	2	50	13	31	13	19
9	10	41	16	11	10	33	3	19	13	42	13	8
10	11	0	16	11	10	10	3	47	13	52	12	57
11	11	18	16	11	9	47	4	15	14	1	12	45
12	11	36	16	10	9	23	4	43	14	9	12	32
13	11	53	16	8	8	58	5	11	14	17	12	19
14	12	10	16	5	8	33	5	38	14	23	12	6
15	12	27	16	1	8	8	6	4	14	29	11	52
16	12	43	15	57	7	42	6	30	14	34	11	37
17	12	59	15	52	7	15	6	56	14	39	11	22
18	13	14	15	46	6	48	7	21	14	42	11	7
19	13	29	15	39	6	21	7	46	14	45	10	51
20	13	43	15	31	5	54	8	10	14	47	10	35
21	13	57	15	22	5	26	8	33	14	48	10	19
22	14	10	15	13	4	57	8	56	14	49	10	2
23	14	22	15	3	4	29	9	18	14	49	9	45
24	14	34	14	52	4	0	9	40	14	48	9	28
25	14	45	14	40	3	31	10	2	14	46	9	10
26	14	56	14	27	3	2	10	22	14	43	8	53
27	15	6	14	14	2	33	10	42	14	40	8	35
28	15	16	13	59	2	3	11	1	14	36	8	17
29	15	24	13	44	1	34	11	19	14	31	7	58
30	15	32	13	28	1	4	11	37	14	26	7	40

## Tabula IV.

Epocharum ☼

AnniCh:	Longitudo ☼				Anomalia ☼				Anni	Longit. ☼				Anomalia ☼			
StiloGre.	S.	o	l	ll	S.	o	l	ll	Chrilti	S	o	l	ll	S.	o	l	ll
1700	9	9	51	20	6	2	11	12	1705	9	9	38	48	6	1	54	30
1800	9	9	37	32	6	0	34	4	1706	9	9	24	28	6	1	39	20
1900	9	9	23	44	5	28	56	56	1707	9	9	10	8	6	1	24	10
2000	9	10	9	4	5	28	18	56	B 1708	9	9	54	56	6	2	8	8
1	11	29	45	40	11	29	44	50	1709	9	9	40	36	6	1	52	58
2	11	29	31	20	11	29	29	40	1710	9	9	26	17	6	1	37	49
3	11	29	17	0	11	29	14	30	1711	9	9	11	57	6	1	22	39
B 4	0	0	1	48	11	29	58	28	B 1712	9	9	56	46	6	2	6	38
5	11	29	47	28	11	29	43	18	1713	9	9	42	26	6	1	51	28
6	11	29	33	8	11	29	28	8	1714	9	9	28	6	6	1	36	18
7	11	29	18	48	11	29	12	58	1715	9	9	13	46	6	1	21	8
B 8	0	0	3	36	11	29	56	56	B 1716	9	9	58	34	6	2	5	6
9	11	29	49	16	11	29	41	46	1717	9	9	44	14	6	1	49	56
10	11	29	34	57	11	29	26	37	1718	9	9	29	54	6	1	34	46
11	11	29	20	37	11	29	11	27	1719	9	9	15	34	6	1	19	36
B 12	0	0	5	26	11	29	55	26	B 1720	9	10	0	24	6	2	3	36
13	11	29	51	6	11	29	40	16	1721	9	9	46	4	6	1	48	26
14	11	29	36	46	11	29	25	6	1722	9	9	31	44	6	1	33	16
15	11	29	22	26	11	29	9	56	1723	9	9	17	24	6	1	18	6
B 16	0	0	7	14	11	29	53	54	B 1724	9	10	2	12	6	2	2	4
17	11	29	52	54	11	29	38	44	1725	9	9	47	52	6	1	46	54
18	11	29	38	34	11	29	23	34	1726	9	9	33	32	6	1	31	44
19	11	29	24	14	11	29	8	24	1727	9	9	19	12	6	1	16	34
B 20	0	0	9	4	11	29	52	24	B 1728	9	10	4	0	6	2	0	32
B 40	0	0	18	8	11	29	44	48	1729	9	9	49	40	6	1	45	22
B 60	0	0	27	12	11	29	37	12	1730	9	9	35	20	6	1	30	13
B 80	0	0	36	16	11	29	29	36	1731	9	9	21	1	6	1	15	3
B 100	0	0	45	20	11	29	22	0	B 1732	9	10	5	50	6	1	59	2
B 200	0	1	30	41	11	29	44	1	1733	9	9	51	30	6	1	43	52
B 300	0	2	16	1	11	29	6	1	1734	9	9	37	10	6	1	28	42
B 400	0	3	1	22	11	29	28	2	1735	9	9	22	50	6	1	13	32
B 500	0	3	46	42	11	29	50	2	B 1736	9	10	7	38	6	1	57	30

Ta.

## Tabula IV.

Epocharum ☼:

Anni Collecti.																			
Anni		Longitudo ☼				Anomalia ☼				Anni		Longitudo ☼				Anomalia ☼			
Christi		S	o	l	ll	S	o	l	ll	Christi		S	o	l	ll	S	o	l	ll
	1737	9	9	53	18	6	1	42	20		1769	9	10	7	49	6	1	30	10
	1738	9	9	38	58	6	1	27	10		1770	9	9	53	29	6	1	15	1
	1739	9	9	24	38	6	1	12	0		1771	9	9	39	9	6	1	59	51
B	1740	9	10	9	28	6	1	56	0	B	1772	9	10	23	58	6	1	43	50
	1741	9	9	55	8	6	1	40	50		1773	9	10	9	38	6	1	28	40
	1742	9	9	40	48	6	1	25	40		1774	9	9	55	18	6	1	13	30
	1743	9	9	26	28	6	1	10	30		1775	9	9	40	58	6	0	58	20
B	1744	9	10	11	16	6	1	54	28	B	1776	9	10	25	46	6	1	42	18
	1745	9	9	56	56	6	1	39	18		1777	9	10	11	26	6	1	27	8
	1746	9	9	42	36	6	1	24	8		1778	9	9	57	6	6	1	11	58
	1747	9	9	28	16	6	1	8	58		1779	9	9	42	46	6	0	56	48
B	1748	9	10	13	4	6	1	52	56	B	1780	9	10	27	36	6	1	40	48
	1749	9	9	58	44	6	1	27	46		1781	9	10	13	16	6	1	25	38
	1750	9	9	44	25	6	1	22	37		1782	9	9	58	56	6	1	10	28
	1751	9	9	30	5	6	1	7	27		1783	9	9	44	36	6	0	55	18
B	1752	9	10	14	54	6	1	51	26	B	1784	9	10	29	24	6	1	39	16
	1753	9	10	0	34	6	1	36	16		1785	9	10	15	4	6	1	24	6
	1754	9	9	46	14	6	1	21	6		1786	9	10	0	44	6	1	8	56
	1755	9	9	31	54	6	1	5	56		1787	9	9	46	24	6	0	53	46
B	1756	9	10	16	42	6	1	49	54	B	1788	9	10	31	12	6	1	37	44
	1757	9	10	2	22	6	1	34	44		1789	9	10	16	52	6	1	22	34
	1758	9	9	48	2	6	1	19	34		1790	9	10	2	33	6	1	7	25
	1759	9	9	33	42	6	1	4	24		1791	9	9	48	13	6	0	52	15
B	1760	9	10	18	32	6	1	48	24	B	1792	9	10	33	2	6	1	36	14
	1761	9	10	4	12	6	1	33	14		1793	9	10	18	42	6	1	21	4
	1762	9	9	49	52	6	1	18	4		1794	9	10	4	22	6	1	5	54
	1763	9	9	35	32	6	1	2	54		1795	9	9	50	2	6	0	50	44
B	1764	9	10	20	20	6	1	46	52	B	1796	9	10	34	50	6	1	34	42
	1765	9	10	6	0	6	1	31	42		1797	9	10	20	30	6	1	19	32
	1766	9	9	51	40	6	1	16	32		1798	9	10	6	10	6	1	4	22
	1767	9	9	37	20	6	1	1	22		1799	9	9	51	50	6	0	49	12
B	1768	9	10	22	8	6	1	45	20		1800	9	9	37	32	6	0	34	4

## Tabula V.

Medii ☼ motus in Mensibus.

Menses Anni Communis.								
	Longitudo ☼				Anomalia ☼			
	S	o	l	ll	S	o	l	ll
Januarius	1	0	33	18	1	0	33	14
Februarius	1	28	9	11	1	28	9	3
Martius	2	28	42	30	2	28	42	18
Aprilis	3	28	16	39	3	28	16	23
Majus	4	28	49	58	4	28	49	37
Junius	5	28	24	8	5	28	23	43
Julius	6	28	57	26	6	28	56	57
Augustus	7	29	30	44	7	29	30	11
September	8	29	4	54	8	29	4	17
October	9	29	38	12	9	29	37	30
November	10	29	12	22	10	29	11	36
December	11	29	45	40	11	29	44	50

Menses Anni Bifextilis.								
	Longitudo ☼				Anomalia ☼			
	S	o	l	ll	S	o	l	ll
Januarius	1	0	33	18	1	0	33	14
Februarius	1	29	8	20	1	29	8	12
Martius	2	29	41	38	2	29	41	26
Aprilis	3	29	15	48	3	29	15	32
Majus	4	29	49	6	4	29	48	45
Junius	5	29	23	16	5	29	22	51
Julius	6	29	56	34	6	29	56	5
Augustus	8	0	29	52	8	0	29	19
September	9	0	4	2	9	0	3	24
October	10	0	37	20	10	0	36	38
November	11	0	11	30	11	0	10	44
December	0	0	44	49	0	0	43	59



Tabula VI.

Tabula VII.

## Medii ☉ motus in Diebus

Dies	Longitudo ☉			Anomalia ☉		
	o	l	ll	o	l	ll
1	0	59	8	0	59	8
2	1	58	17	1	58	17
3	2	57	25	2	57	25
4	3	56	33	3	56	32
5	4	55	42	4	55	41
6	5	54	50	5	54	49
7	6	53	58	6	53	57
8	7	53	7	7	53	6
9	8	52	15	8	52	14
10	9	51	23	9	51	22
11	10	50	32	10	50	30
12	11	49	40	11	49	38
13	12	48	48	12	48	46
14	13	47	57	13	47	55
15	14	47	5	14	47	3
16	15	46	13	15	46	11
17	16	45	22	16	45	20
18	17	44	30	17	44	28
19	18	43	38	18	43	35
20	19	42	47	19	42	44
21	20	41	55	20	41	52
22	21	41	3	21	41	0
23	22	40	12	22	40	9
24	23	39	20	23	39	17
25	24	38	28	24	38	25
26	25	37	37	25	37	33
27	26	36	45	26	36	41
28	27	35	53	27	35	49
29	28	35	2	28	34	58
30	29	34	10	29	34	6
31	30	33	18	30	33	14

Morus Anomaliz pro horis &amp; horarum fragmentis idem est ac longitudinis.

## In Horis &amp; Minutis.

H.	Longitudo ☉			M.	Long. ☉		
	o	l	ll		l	ll	lll
1	0	2	28	31	1	16	
2	0	4	56	32	1	19	
3	0	7	24	33	1	21	
4	0	9	51	34	1	24	
5	0	12	19	35	1	26	
6	0	14	47	36	1	29	
7	0	17	15	37	1	31	
8	0	19	43	38	1	34	
9	0	22	11	39	1	36	
10	0	24	38	40	1	39	
11	0	27	6	41	1	41	
12	0	29	34	42	1	43	
13	0	32	2	43	1	46	
14	0	34	30	44	1	48	
15	0	36	58	45	1	51	
16	0	39	25	46	1	53	
17	0	41	53	47	1	56	
18	0	44	21	48	1	58	
19	0	46	49	49	2	1	
20	0	49	17	50	2	3	
21	0	51	45	51	2	6	
22	0	54	13	52	2	8	
23	0	56	40	53	2	11	
24	0	59	8	54	2	13	
25	1	1	36	55	2	16	
26	1	4	4	56	2	18	
27	1	6	22	57	2	20	
28	1	9	0	58	2	23	
29	1	11	27	59	2	25	
30	1	13	55	60	2	28	

## Tabula VIII.

Equationum Centri ☼

Subtrahere																				
Ano	O.			I			II			III			IV			V				
☼	o	i	ll	o	i	ll	o	i	ll	o	i	ll	o	i	ll	o	i	ll		
0	0	0	0	0	56	56	1	39	27	1	56	19	1	41	35	0	59	2	30	
1	0	1	58	0	58	39	1	40	28	1	56	20	1	40	33	0	57	15	29	
2	0	3	57	1	0	21	1	41	27	1	56	20	1	39	30	0	55	27	28	
3	0	5	56	1	2	3	1	42	24	1	56	17	1	38	25	0	53	37	27	
4	0	7	55	1	3	43	1	43	20	1	56	12	1	37	19	0	51	46	26	
5	0	9	54	1	5	22	1	44	15	1	56	4	1	36	11	0	49	55	25	
6	0	11	53	1	7	0	1	45	8	1	55	54	1	35	1	0	48	3	24	
7	0	13	51	1	8	37	1	45	58	2	55	42	1	33	49	0	46	10	23	
8	0	15	49	1	10	13	1	46	47	1	55	28	1	32	35	0	44	16	22	
9	0	17	46	1	11	48	1	47	34	1	55	12	1	31	20	0	42	21	21	
10	0	19	43	1	13	22	1	48	18	1	54	53	1	30	3	0	40	26	20	
11	0	21	40	1	14	54	1	49	1	1	54	32	1	28	45	0	38	30	19	
12	0	23	37	1	16	24	1	49	42	1	54	10	1	27	25	0	36	33	18	
13	0	25	33	1	17	53	1	50	22	1	53	46	1	26	3	0	34	35	17	
14	0	27	29	1	19	22	1	50	59	1	53	19	1	24	39	0	32	36	16	
15	0	29	24	1	20	49	1	51	34	1	52	50	1	23	14	0	30	37	15	
16	0	31	19	1	22	14	1	52	7	1	52	19	1	21	47	0	28	37	14	
17	0	33	13	1	23	38	1	52	38	1	51	46	1	20	19	0	26	37	13	
18	0	35	7	1	25	1	1	53	8	1	51	11	1	18	49	0	24	36	12	
19	0	37	1	1	26	22	1	53	35	1	50	34	1	17	17	0	22	34	11	
20	0	38	54	1	27	42	1	54	0	1	49	55	1	15	44	0	20	32	10	
21	0	40	45	1	28	59	1	54	23	1	49	14	1	14	10	0	18	30	9	
22	0	42	36	1	30	14	1	54	44	1	48	31	1	12	34	0	16	28	8	
23	0	44	26	1	31	29	1	55	3	1	47	46	1	10	57	0	14	25	7	
24	0	46	16	1	32	42	1	55	20	1	46	59	1	9	19	0	12	22	6	
25	0	48	5	1	33	54	1	55	35	1	46	10	1	7	39	0	10	10	5	
26	0	49	53	1	35	4	1	55	48	1	45	19	1	5	58	0	8	16	4	
27	0	51	40	1	36	12	1	55	59	1	44	26	1	4	16	0	6	12	3	
28	0	53	26	1	37	19	1	56	8	1	43	31	1	2	33	0	4	8	2	
29	0	55	11	1	38	24	1	56	15	1	42	35	1	0	48	0	2	4	1	
XI			X			IX			VIII			VII			VI					
Adde																				

## Tabula IX.

Declinatio ☉ ad obliquitatem maximam gr. 23. 29.

Grad. ☉	S M			Diffe- rentia	S M			Diffe- rentia	S M			Diffe- rentia	—
	Y				Y				π				
	G.	M.	S.		G.	M.	S.		G.	M.	S.		
0	0	0	0	23 55	11 29 34	21 1	20 11 15	12 34	20 11 15	10 38	25	30	
1	0	23	55	23 54	11 50 35	20 51	20 23 49	12 10	20 23 49	10 14	24	29	
2	0	47	49	23 53	12 11 26	20 39	20 35 59	11 49	20 35 59	9 51	23	28	
3	1	11	42	23 52	12 32 5	20 26	20 47 48	11 26	20 47 48	9 26	22	27	
4	1	35	34	23 51	12 52 31	20 14	20 59 14	11 1	20 59 14	8 37	21	26	
5	1	59	25	23 49	13 12 45	20 1	21 10 15	10 38	21 10 15	8 11	20	25	
6	2	23	14	23 47	13 32 46	19 46	21 20 53	10 14	21 20 53	7 45	19	24	
7	2	47	1	23 43	13 52 32	19 33	21 31 7	9 51	21 31 7	6 30	18	23	
8	3	10	44	23 40	14 12 5	19 19	21 40 58	9 26	21 40 58	6 2	17	22	
9	3	34	24	23 38	14 31 24	19 5	21 50 24	9 3	21 50 24	5 8	16	21	
10	3	58	2	23 36	14 50 29	18 48	21 59 27	8 37	21 59 27	4 47	15	20	
11	4	21	38	23 31	15 9 17	18 34	22 8 4	8 11	22 8 4	3 52	14	19	
12	4	45	9	23 26	15 27 51	18 19	22 16 15	7 45	22 16 15	3 22	13	18	
13	5	8	35	23 20	15 46 10	18 2	22 24 0	6 55	22 24 0	2 2	12	17	
14	5	31	55	23 16	16 4 12	17 45	22 31 22	6 30	22 31 22	1 36	11	16	
15	5	55	11	23 12	16 21 57	17 29	22 38 17	6 2	22 38 17	1 30	10	15	
16	6	18	23	23 4	16 39 26	17 12	22 44 47	5 38	22 44 47	0 47	9	14	
17	6	41	27	22 57	16 56 38	16 53	22 50 49	5 8	22 50 49	0 36	8	13	
18	7	4	24	22 51	17 13 31	16 36	22 56 27	4 16	22 56 27	0 30	7	12	
19	7	27	15	22 45	17 30 7	16 18	23 1 35	4 8	23 1 35	0 2	6	11	
20	7	50	0	22 38	17 46 25	15 58	23 6 22	4 16	23 6 22	0 1	5	10	
21	8	12	38	22 28	18 2 23	15 40	23 10 38	3 52	23 10 38	0 0	4	9	
22	8	35	6	22 20	18 18 3	15 22	23 14 30	3 22	23 14 30	0 0	3	8	
23	8	57	26	22 12	18 33 45	15 0	23 17 52	2 56	23 17 52	0 0	2	7	
24	9	19	38	22 4	18 48 25	14 41	23 20 48	2 30	23 20 48	0 0	1	6	
25	9	41	42	21 55	19 3 6	14 20	23 23 18	2 2	23 23 18	0 0	0	5	
26	10	3	37	21 45	19 17 26	13 59	23 25 20	1 36	23 25 20	0 0	0	4	
27	10	25	22	21 34	19 31 25	13 38	23 26 56	1 9	23 26 56	0 0	0	3	
28	10	46	56	21 24	19 45 3	13 18	23 28 5	0 40	23 28 5	0 0	0	2	
29	11	8	20	21 14	19 58 21	12 54	23 28 45	0 15	23 28 45			1	
30	11	29	34		20 11 15		23 29 0		23 29 0			0	
	mp X				Ω				σδ				
	S M				S M				S M				

## Tabula X.

Ascensionis Rectæ ☉ ad obliquitatem gr. 23. 29.

Gr. loci ☉	Y			Scrup. com.	♌	G.	M.	S.	G.	♍	Y			Scrup. com.	♎	G.	M.	S.	G.	♏	Y			Scrup. com.	♐	G.	M.	S.	G.
	G.	M.	S.								G.	M.	S.								G.	M.	S.						
0	0	0	0			180					27	54	10			207					57	48	36						237
1	0	55	2			180					28	51	32			206					58	51	9						238
2	1	50	4			181					29	49	3			209					59	53	53						239
3	2	45	7			182					30	46	42			210					60	56	47						240
4	3	40	11			183					31	44	32			211					61	59	50						241
5	4	35	16			184					32	42	32			212					62	2	2						242
6	5	30	23			185					33	40	41			213					64	6	24						244
7	6	25	32			186					34	39	0			214					65	9	54						245
8	7	20	43			187					35	37	28			215					66	13	33						246
9	8	15	56			188					36	36	6			216					67	17	21						247
10	9	11	11			189					37	34	55			217					68	21	18						248
11	10	6	30			190					38	33	54			218					69	25	24						249
12	11	1	53			191					39	33	3			219					70	29	35						250
13	11	57	20			191					40	32	22			220					71	33	55						251
14	12	52	51			192					41	31	52			221					72	38	21						252
15	12	48	26			193					42	31	25			222					73	42	53						253
16	14	44	6			194					43	31	28			223					74	47	31						254
17	15	39	50			195					44	31	30			224					75	52	16						255
18	16	35	40			196					45	31	43			225					76	57	7						256
19	17	31	35			197					46	32	8			226					78	2	3						258
20	18	27	27			198					47	32	44			227					79	7	4						259
21	19	23	45			199					48	33	31			228					80	12	9						260
22	20	19	58			200					49	34	28			229					81	17	18						261
23	21	16	18			201					50	35	36			230					82	22	31						262
24	22	12	45			202					51	36	55			231					83	27	46						263
25	23	9	20			203					52	38	26			232					84	32	4						264
26	24	6	2			204					53	40	7			233					85	38	24						265
27	25	2	52			205					54	41	58			234					86	43	46						266
28	25	59	50			205					55	44	0			235					87	49	10						267
29	26	56	56			206					56	46	13			236					88	54	35						268
30	27	54	10			207					57	48	36			237					90	0	0						270

## Tabula X.

Ascensionis Rectæ ☉ ad obliquitatem gr. 23. 29.

Gr. loci ☉	♈				♎	♏				♐	♑			
	Scrup. com.		♌	G.		Scrup. com.		♍	G.		X			
	G.	M.	S.	G.	G.	M.	S.	G.	G.	M.		S.	G.	
0	90	0	0	270	122	11	24	302	152	5	50	332		
1	91	5	25	271	123	13	47	303	153	3	4	333		
2	92	10	50	272	124	16	0	304	154	0	10	334		
3	93	16	14	273	125	18	2	305	154	57	8	334		
4	94	21	36	274	126	19	53	306	155	53	58	335		
5	95	26	56	275	127	21	34	307	156	50	40	336		
6	96	32	14	276	128	23	5	308	157	47	15	337		
7	97	37	29	277	129	24	24	309	158	43	42	338		
8	98	42	42	278	130	25	32	310	159	40	2	339		
9	99	47	51	279	131	26	29	311	160	36	15	340		
10	100	52	56	280	132	27	16	312	161	32	23	341		
11	101	57	57	281	133	27	52	313	162	28	25	342		
12	102	2	53	282	134	28	17	314	163	24	20	343		
13	103	7	44	283	135	28	30	315	164	20	10	344		
14	104	12	29	284	136	28	32	316	165	15	54	345		
15	105	17	7	285	137	28	25	317	166	11	34	346		
16	106	21	39	286	138	28	8	318	167	7	9	347		
17	107	26	5	287	139	27	38	319	168	2	40	348		
18	108	30	25	288	140	26	57	320	168	58	7	348		
19	109	34	36	289	141	26	6	321	169	53	30	349		
20	110	38	42	290	142	25	5	322	170	48	49	350		
21	111	42	39	291	143	23	54	323	171	44	4	351		
22	112	46	27	292	144	22	32	324	172	39	17	352		
23	113	50	6	293	145	21	0	325	173	34	28	353		
24	114	53	36	294	146	19	19	326	174	29	37	354		
25	115	56	58	295	147	17	28	327	175	24	44	355		
26	116	0	10	296	148	15	28	328	176	19	49	356		
27	117	3	13	297	149	13	18	329	177	14	53	357		
28	118	6	7	298	150	10	57	330	178	9	56	358		
29	119	8	51	299	151	8	28	331	179	4	58	359		
30	120	11	24	300	152	5	50	332	180	0	0	360		

## Tabula XI.

Epocharum D.

Anni Expansi													
Anni Christi		Longitudo D				Apogaeum D				Ω			
Stilo Gregor.		S	o	l	ll	S	o	l	ll	S	o	l	ll
B	1700	5	19	57	14	11	7	4	35	4	27	59	23
	1800	3	14	37	4	2	26	9	9	0	13	44	55
	1900	1	9	16	54	6	15	13	43	7	29	30	27
	2000	11	17	7	19	10	4	24	58	3	15	19	10
B	1	4	9	23	4	1	10	39	51	0	19	19	43
	2	8	18	46	7	2	21	19	41	1	8	39	26
	3	0	28	9	10	4	1	59	32	1	27	59	9
	4	5	20	42	49	5	12	46	4	2	17	22	3
B	5	10	0	5	52	6	23	25	54	3	6	41	46
	6	2	9	28	55	8	4	5	44	3	26	1	29
	7	6	18	51	59	9	14	45	35	4	15	21	12
	8	11	11	25	37	10	25	32	7	5	4	44	5
B	9	3	20	48	41	0	6	11	57	5	24	3	49
	10	8	0	11	44	1	16	51	47	6	13	23	33
	11	0	9	34	48	2	27	31	38	7	2	43	16
	12	5	2	8	27	4	8	18	10	7	22	6	9
B	13	9	11	31	30	5	18	58	0	8	12	25	52
	14	1	20	54	34	6	29	37	50	9	0	45	35
	15	6	0	17	37	8	10	17	41	9	20	5	18
	16	10	22	51	16	9	21	4	13	10	9	28	12
B	17	3	2	14	19	11	1	44	3	10	28	47	56
	18	7	11	37	22	0	12	23	53	11	18	7	39
	19	11	21	0	26	1	23	3	44	0	7	27	22
	20	4	13	34	5	3	3	50	15	0	26	50	15
B	40	8	27	8	10	6	7	40	30	1	23	40	31
B	60	1	10	42	15	9	11	30	45	2	20	30	46
B	80	5	24	16	20	0	15	21	0	3	17	21	2
B	100	10	7	50	25	3	19	11	15	4	14	11	17
B	200	8	15	40	50	7	8	22	30	8	28	22	33
B	300	6	23	31	15	10	27	33	45	1	12	33	50
B	400	5	1	21	40	2	16	45	0	5	26	45	7
B	500	3	9	12	5	6	5	56	15	10	10	56	24

## Tabula XI.

Epocharum )

Anni collecti.													
Anni Christi		Longitudo ☽				Apogæum ☽				♌			
Stilo Gregor.		S	O	I	II	S	O	I	II	S	O	I	II
B	1705	3	20	3	6	6	0	30	29	1	21	17	37
	1706	7	29	26	9	7	11	10	19	1	1	57	54
	1707	0	8	49	13	8	21	50	10	0	12	38	11
	1708	5	1	22	31	10	2	36	41	11	23	15	18
B	1709	9	10	45	55	11	13	16	32	11	3	55	34
	1710	1	20	8	58	0	23	56	22	10	14	35	50
	1711	5	29	32	2	2	4	36	13	9	25	16	7
	1712	10	22	5	41	3	15	22	45	9	5	53	14
B	1713	3	1	28	44	4	26	2	35	8	16	33	31
	1714	7	10	51	48	6	6	42	25	7	27	13	48
	1715	11	20	14	51	7	17	22	16	7	7	54	5
	1716	4	12	48	30	8	28	8	48	6	18	31	11
B	1717	8	22	11	33	10	8	48	38	5	29	11	27
	1718	1	1	34	36	11	19	28	28	5	9	51	44
	1719	5	10	57	40	1	0	8	19	4	20	32	1
	1720	10	3	31	19	2	10	54	50	4	1	9	8
B	1721	2	12	54	23	3	21	34	41	3	11	49	25
	1722	6	22	17	26	5	2	14	31	2	22	29	42
	1723	11	1	40	29	6	12	54	22	2	3	9	59
	1724	3	24	14	8	7	23	40	54	1	13	47	5
B	1725	8	3	37	11	9	4	20	44	0	24	27	22
	1726	0	13	0	14	10	15	0	34	0	5	7	39
	1727	4	22	23	18	11	25	40	25	11	15	47	56
	1728	9	14	56	56	1	6	26	57	10	26	25	3
B	1729	1	24	20	0	2	17	6	47	10	7	5	19
	1730	6	3	43	3	3	27	46	37	9	17	45	35
	1731	10	13	6	7	5	8	26	28	8	28	25	52
	1732	3	5	39	46	6	19	13	0	8	9	2	59
B	1733	7	15	2	49	7	29	52	50	7	19	43	16
	1734	11	24	25	53	9	10	32	40	7	0	23	33
	1735	4	3	48	56	10	21	12	31	6	11	3	50
	1736	8	26	22	35	0	1	59	3	5	21	40	56

D

L

## Tabula XI.

Epocharum D

Anni collecti													
Anni Christi	Longitudo D				Apogezum D				Ω				
Stilo Gregor.	S	O	I	II	S	O	I	II	S	O	I	II	
B	1737	1	6	45	36	1	12	38	53	5	2	21	12
	1738	5	15	8	41	2	23	18	43	4	13	1	29
	1739	9	24	31	45	4	3	58	34	3	23	41	46
	1740	2	17	5	24	5	14	45	5	3	4	18	53
B	1741	6	26	28	28	6	25	24	56	2	14	59	10
	1742	11	5	51	31	8	6	4	46	1	25	39	27
	1743	3	15	14	34	9	16	44	37	1	6	19	44
	1744	8	7	48	13	10	27	31	9	0	16	56	50
B	1745	0	17	11	16	0	8	10	59	11	27	37	7
	1746	4	26	34	19	1	18	50	49	11	8	17	24
	1747	9	5	57	23	2	29	30	40	10	18	57	41
	1748	1	28	31	1	4	10	17	12	9	29	34	48
B	1749	6	7	54	5	5	20	57	2	9	10	15	4
	1750	10	17	17	8	7	1	36	52	8	20	55	20
	1751	2	26	40	12	8	12	16	43	8	1	35	37
	1752	7	19	13	51	9	23	3	15	7	12	12	44
B	1753	11	28	36	54	11	3	43	5	6	22	53	1
	1754	4	7	59	58	0	14	22	55	6	3	33	18
	1755	8	17	23	1	1	25	2	46	5	14	13	35
	1756	1	9	56	40	3	5	49	18	4	24	50	41
B	1757	5	19	19	43	4	16	29	8	4	5	30	57
	1758	9	28	42	46	5	27	8	58	3	16	11	14
	1759	2	8	5	50	7	7	48	49	2	26	51	31
	1760	7	0	39	29	8	18	35	20	2	7	28	37
B	1761	11	10	2	33	9	29	15	11	1	18	8	54
	1762	3	19	25	36	11	9	55	1	0	28	49	11
	1763	7	28	48	39	0	20	34	52	0	9	29	28
	1764	0	21	22	18	2	1	21	24	11	20	6	34
B	1765	5	0	45	21	3	12	1	14	11	0	46	51
	1766	9	10	8	24	4	22	41	4	10	11	27	8
	1767	1	19	31	28	6	3	20	55	9	22	7	25
	1768	6	12	5	6	7	14	7	27	9	2	44	32



## Tabula XI.

Epocharum D

Anni collecti															
Anni Christi		Longitudo D				Apogaeum D				Ω					
Stilo Gregor.		S	o	l	ll	S	o	l	ll	S	o	l	ll		
B	1769	10	21	28	10	8	24	47	17	8	13	24	48		
	1770	3	0	51	13	10	5	27	7	7	24	5	4		
	1771	7	10	14	17	11	16	6	58	7	4	45	21		
	1772	0	2	47	56	0	26	53	30	6	15	22	28		
B	1773	4	12	10	59	2	7	33	20	5	26	2	45		
	1774	8	21	34	3	3	18	13	10	5	6	43	2		
	1775	1	0	57	6	4	28	53	1	4	17	23	19		
	1776	5	23	30	45	6	9	39	33	3	28	0	25		
B	1777	10	2	53	48	7	20	19	23	3	8	40	41		
	1778	2	12	16	51	9	0	59	13	2	19	20	58		
	1779	6	21	39	55	10	11	39	4	2	0	1	15		
	1780	11	14	13	34	11	22	25	35	1	10	38	21		
B	1781	3	23	36	38	1	3	5	26	0	21	18	38		
	1782	8	2	59	41	2	13	45	16	0	1	58	55		
	1783	0	12	22	44	3	24	25	7	11	12	39	12		
	1784	5	4	56	23	5	5	11	39	10	23	16	18		
B	1785	9	14	19	26	6	15	51	29	10	3	56	35		
	1786	1	23	42	29	7	26	31	19	9	14	36	52		
	1787	6	3	5	33	9	7	11	10	8	25	17	9		
	1788	10	25	39	11	10	17	57	42	8	5	54	16		
B	1789	3	5	2	15	11	28	37	32	7	16	34	32		
	1790	7	14	25	18	1	9	17	22	6	27	14	48		
	1791	11	23	48	22	2	19	57	13	6	7	55	5		
	1792	4	16	22	1	4	0	43	45	5	18	32	12		
B	1793	8	25	45	4	5	11	23	35	4	29	12	29		
	1794	1	5	8	8	6	22	3	25	4	9	52	46		
	1795	5	14	31	11	8	2	43	16	3	20	33	3		
	1796	10	7	4	50	9	13	29	48	3	1	10	9		
B	1797	2	16	27	53	10	24	9	38	2	11	50	25		
	1798	6	25	50	56	0	4	49	28	1	22	30	42		
	1799	11	5	14	0	1	15	29	19	1	3	10	59		
	1800	3	14	37	4	2	26	9	9	0	13	44	55		

# Tabula XII.

Medii D motus in Mensibus.

Menses Anni Communis.												
	Longitudo D				Apogæum D				Ω			
	S	o	l	ll	S	o	l	ll	S	o	l	ll
Januarius	1	18	28	6	o	3	27	13	o	1	38	30
Februarius	1	27	24	26	o	6	34	23	o	3	7	28
Martius	3	15	52	32	o	10	1	36	o	4	45	57
Aprilis	4	21	10	2	o	13	22	8	o	6	21	17
Majus	6	9	38	8	o	16	49	21	o	7	59	47
Junius	7	14	55	39	o	20	9	54	o	9	35	6
Julius	9	3	23	44	o	23	37	6	o	11	13	35
Augustus	10	21	51	50	o	27	4	20	o	12	52	5
September	11	27	9	21	1	0	24	52	o	14	27	24
October	1	15	37	27	1	3	52	5	o	16	5	53
November	2	20	54	57	1	7	12	37	o	17	41	12
December	4	9	23	4	1	10	39	51	o	19	19	43

Menses Anni Bissextilis.

	Longitudo D				Apogæum D				Ω			
	S	o	l	ll	S	o	l	ll	S	o	l	ll
Januarius	1	18	28	6	o	3	27	13	o	1	38	30
Februarius	2	10	35	1	o	6	41	4	o	3	10	38
Martius	3	29	3	7	o	10	8	17	o	4	49	8
Aprilis	5	4	20	37	o	13	28	49	o	6	24	27
Majus	6	22	48	43	o	16	56	3	o	8	2	57
Junius	7	28	6	14	o	20	16	35	o	9	38	16
Julius	9	16	34	19	o	23	43	47	o	11	16	46
Augustus	11	5	2	25	o	27	11	1	o	12	55	15
September	0	10	19	56	1	0	31	33	o	14	30	34
October	1	28	48	2	1	3	58	46	o	16	9	4
November	3	4	5	32	1	7	19	18	o	17	44	23
December	4	22	33	39	1	10	46	32	o	19	22	53

## Tabula XIII.

Pro Diebus.

## Tabula XIV.

Pro horis, & horarum  
fragmentis

Medius D motus in Diebus

Dies	Longitudo D				Apog. D				$\Omega$			
	S	o	l	ll	o	l	ll		o	l	ll	
1	0	13	10	35	0	6	41		0	3	11	
2	0	26	21	10	0	13	22		0	6	22	
3	1	9	31	45	0	20	3		0	9	32	
4	1	22	42	20	0	26	44		0	12	43	
5	2	5	52	55	0	33	25		0	15	54	
6	2	19	3	30	0	40	6		0	19	4	
7	3	2	14	5	0	46	48		0	22	15	
8	3	15	24	40	0	53	29		0	25	25	
9	3	28	35	15	1	0	10		0	28	36	
10	4	11	45	50	1	6	51		0	31	46	
11	4	24	56	25	1	13	32		0	34	57	
12	5	8	7	0	1	20	13		0	38	7	
13	5	21	17	35	1	26	54		0	41	18	
14	6	4	28	10	1	33	35		0	44	28	
15	6	17	38	45	1	40	16		0	47	39	
16	7	0	49	20	1	46	57		0	50	49	
17	7	13	59	55	1	53	38		0	54	0	
18	7	27	10	30	2	0	19		0	57	11	
19	8	10	21	5	2	7	0		1	0	22	
20	8	23	31	40	2	13	41		1	3	33	
21	9	6	42	15	2	20	23		1	6	43	
22	9	19	52	50	2	27	4		1	9	54	
23	10	3	3	25	2	33	45		1	13	5	
24	10	16	14	0	2	40	26		1	16	15	
25	10	29	24	36	2	47	7		1	19	26	
26	11	12	35	11	2	53	48		1	22	37	
27	11	25	45	46	3	0	29		1	25	47	
28	0	8	56	21	3	7	10		1	28	58	
29	0	22	6	56	3	13	51		1	32	9	
30	1	5	17	31	3	20	32		1	35	19	
31	1	18	28	6	3	27	13		1	38	30	

In Horis, &amp; Minutis

H.	Longitudo D				Apog.				$\Omega$			
	o	l	ll		l	ll			l	ll		
1	0	32	56		0	17			0	8		
2	1	5	53		0	33			0	16		
3	1	38	49		0	50			0	24		
4	2	11	46		1	7			0	32		
5	2	44	42		1	24			0	40		
6	3	17	39		1	40			0	48		
7	3	50	35		1	57			0	56		
8	4	23	32		2	14			1	4		
9	4	56	28		2	30			1	12		
10	5	29	25		2	47			1	19		
11	6	2	21		3	4			1	27		
12	6	35	17		3	21			1	35		
13	7	8	14		3	37			1	43		
14	7	41	10		3	54			1	51		
15	8	14	7		4	11			1	59		
16	8	47	3		4	27			2	7		
17	9	20	0		4	44			2	15		
18	9	52	56		5	1			2	23		
19	10	25	53		5	18			2	31		
20	10	58	49		5	34			2	39		
21	11	31	45		5	51			2	47		
22	12	4	42		6	8			2	55		
23	12	37	38		6	24			3	3		
24	13	10	35		6	41			3	11		
25	13	43	31		6	58			3	19		
26	14	16	28		7	15			3	27		
27	14	49	24		7	31			3	35		
28	15	22	21		7	48			3	43		
29	15	55	17		8	5			3	51		
30	16	28	14		8	21			3	58		

Ref.

## Ref. Tab. XIV.

## Tabula XV.

Partium Phificarum D

In minutis & sec.					Adde													
Long. D			Apog.		Ω	An.	O		I		II		III		IV		V	
I	II	III	III	III	I		II	I	II	I	II	I	II	I	II	I	II	
1	1	11	11	11	0	0	0	5	36	9	51	11	30	10	4	5	51	30
31	17	1	9	4	1	0	12	5	47	9	57	11	30	9	58	5	40	29
32	17	34	9	4	2	0	23	5	58	10	3	11	30	9	51	5	30	28
33	18	7	9	4	3	0	35	6	9	10	9	11	30	9	45	5	19	27
34	18	40	9	4	4	0	47	6	19	10	14	11	29	9	39	5	8	26
35	19	13	10	5	5	0	59	6	29	10	19	11	28	9	32	4	57	25
36	19	46	10	5	6	1	10	6	39	10	25	11	27	9	25	4	46	24
37	20	19	10	5	7	1	22	6	48	10	30	11	26	9	18	4	35	23
38	20	52	11	5	8	1	33	6	58	10	34	11	25	9	11	4	23	22
39	21	25	11	5	9	1	45	7	7	10	39	11	24	9	3	4	12	21
40	21	58	11	5	10	1	56	7	16	10	43	11	22	8	55	4	0	20
41	22	31	11	5	11	2	8	7	25	10	48	11	20	8	48	3	49	19
42	23	4	12	6	12	2	19	7	34	10	52	11	18	8	40	3	37	18
43	23	36	12	6	13	2	31	7	43	10	56	11	15	8	32	3	25	17
44	24	9	12	6	14	2	42	7	52	10	59	11	13	8	23	3	14	16
45	24	42	13	6	15	2	54	8	1	11	2	11	10	8	15	3	2	15
46	25	15	13	6	16	3	5	8	9	11	6	11	7	8	6	2	50	14
47	25	48	13	6	17	3	16	8	17	11	9	11	4	7	58	2	38	13
48	26	21	13	6	18	3	27	8	25	11	12	11	0	7	49	2	26	12
49	26	54	14	6	19	3	39	8	33	11	14	10	57	7	40	2	14	11
50	27	27	14	7	20	3	50	8	41	11	17	10	53	7	30	2	2	10
51	28	0	14	7	21	4	1	8	49	11	19	10	50	7	21	1	50	9
52	28	33	14	7	22	4	12	8	57	11	21	10	45	7	12	1	38	8
53	29	6	15	7	23	4	22	9	4	11	23	10	40	7	2	1	26	7
54	29	39	15	7	24	4	33	9	11	11	24	10	35	6	52	1	13	6
55	30	12	15	7	25	4	44	9	18	11	26	10	31	6	42	1	1	5
56	30	45	16	7	26	4	55	9	25	11	27	10	26	6	32	0	49	4
57	31	18	16	8	27	5	5	9	32	11	28	10	20	6	22	0	37	3
58	31	51	16	8	28	5	16	9	38	11	29	10	15	6	12	0	24	2
59	32	24	16	8	29	5	26	9	45	11	29	10	9	6	2	0	12	1
60	32	56	17	8														
					Subtrahe													
					XI		X		IX		VIII		VII		VI			

## Tabula XVI.

Equationis Apogei D, &amp; ejusdem Excentricitatis.

	O vel VI			I vel VII			II vel VIII		
	Adde		Excentr. D	Adde		Excentr. D	Adde		Excentr. D
	o	l	ll	o	l	ll	o	l	ll
0	0	0	0	9	7	14	1	8	55
1	0	20	21	9	20	52	1	59	45
2	0	40	42	9	34	1	10	49	35
3	1	1	1	9	46	40	10	38	22
4	1	21	17	9	58	49	10	26	7
5	1	41	30	10	10	24	10	12	50
6	2	1	40	10	21	29	9	58	31
7	2	21	44	10	31	58	9	43	10
8	2	41	42	10	41	50	9	26	48
9	3	1	34	10	51	8	9	9	24
10	3	21	18	10	59	48	8	51	0
11	3	40	54	11	7	47	8	31	36
12	4	0	22	11	15	7	8	11	14
13	4	19	38	11	21	45	7	49	55
14	4	38	44	11	27	40	7	27	40
15	4	57	38	11	32	51	7	4	31
16	5	16	20	11	37	17	6	40	30
17	5	34	49	11	40	55	6	15	40
18	5	53	2	11	43	47	5	50	2
19	6	11	1	11	45	49	5	23	39
20	6	28	43	11	47	1	4	56	34
21	6	46	8	11	47	22	4	28	51
22	7	3	15	11	46	50	4	0	32
23	7	20	3	11	45	24	3	31	40
24	7	36	30	11	43	4	3	2	10
25	7	52	36	11	39	47	2	32	26
26	8	8	20	11	35	34	2	2	30
27	8	23	41	11	30	23	1	32	8
28	8	38	38	11	24	14	1	1	30
29	8	53	8	11	17	5	0	30	45
30	9	7	14	11	8	55	0	0	0
	Subtrahe		Exc. D	Subtrahe		Exc. D	Subtrahe		Excen. D
	V	vel	XI	IV	vel	X	III	vel	IX

## Tabula XVII.

Equationum Centri  
Subtrahe.

S	O									I								
	Exc. Min.			Media			Maxima			Exc. Min.			Media			Maxima		
	o	l	ll	o	l	ll	o	l	ll	o	l	ll	o	l	ll	o	l	ll
0	0	0	0	0	0	0	0	0	0	2	23	8	2	59	4	3	34	8
1	0	4	58	0	6	12	0	7	24	2	27	32	3	4	33	3	40	43
2	0	9	56	0	12	24	0	14	48	2	31	50	3	10	0	3	47	15
3	0	14	53	0	18	35	0	22	12	2	36	7	3	15	23	3	53	43
4	0	19	50	0	24	47	0	29	36	2	40	22	3	20	44	4	0	8
5	0	24	48	0	30	58	0	36	58	2	44	35	3	26	1	4	6	20
6	0	29	44	0	37	9	0	44	20	2	48	48	3	31	18	4	12	49
7	0	34	39	0	43	19	0	51	42	2	52	53	3	36	27	4	19	1
8	0	39	34	0	49	27	0	59	4	2	56	54	3	41	32	4	25	9
9	0	44	30	0	55	36	1	6	25	3	0	58	3	46	39	4	31	18
10	0	49	25	1	1	43	1	13	45	3	4	55	3	51	39	4	37	20
11	0	54	19	1	7	51	1	21	2	3	8	53	3	56	36	4	43	18
12	0	59	13	1	13	57	1	28	18	3	12	46	4	1	30	4	49	12
13	1	4	4	1	20	2	1	35	34	3	16	35	4	6	20	4	55	1
14	1	8	56	1	26	5	1	42	49	3	20	22	4	11	6	5	0	46
15	1	13	45	1	32	7	1	50	2	3	24	5	4	15	47	5	6	26
16	1	18	33	1	38	8	1	57	13	3	27	44	4	20	24	5	12	1
17	1	23	20	1	44	8	2	4	23	3	31	20	4	24	58	5	17	32
18	1	28	6	1	50	6	2	11	31	3	34	53	4	29	28	5	22	59
19	1	32	50	1	56	2	2	18	37	3	38	22	4	33	53	5	28	20
20	1	37	32	2	1	56	2	25	4	3	41	47	4	38	14	5	33	36
21	1	42	13	2	7	49	2	32	43	3	45	9	4	42	31	5	38	47
22	1	46	53	2	13	39	2	39	43	3	48	28	4	46	43	5	43	53
23	1	51	33	2	19	27	2	46	40	3	51	43	4	50	50	5	48	53
24	1	56	9	2	25	14	2	53	35	3	54	55	4	54	53	5	53	48
25	2	0	45	2	30	58	3	0	28	3	58	3	4	58	55	5	58	38
26	2	5	18	2	36	41	3	7	18	4	1	6	5	2	43	6	3	21
27	2	9	49	2	42	21	3	14	5	4	4	5	5	6	32	6	7	59
28	2	14	18	2	47	58	3	20	49	4	7	0	5	10	15	6	12	31
29	2	18	44	2	53	32	3	27	30	4	9	51	5	13	54	6	16	58
30	2	23	8	2	59	4	3	34	8	4	12	40	5	17	27	6	21	18
S.	XI									X								

Adde

Ta-

## Tabula XVII.

Aequationum Centri D.

Subtrahere

S.	II						III					
	Exc. Min.			Media			Exc. Min.			Media		
	o	l	ll	o	l	ll	o	l	ll	o	l	ll
0	4	12	40	5	17	27	6	21	18	4	59	30
1	4	15	18	5	20	54	6	25	32	4	59	48
2	4	17	56	5	24	17	6	29	39	4	59	56
3	4	20	28	5	27	35	6	33	40	4	59	59
4	4	23	0	5	30	47	6	37	36	4	59	58
5	4	25	24	5	33	53	6	41	25	4	59	49
6	4	27	44	5	36	54	6	45	8	4	59	36
7	4	30	0	5	39	49	6	48	44	4	59	20
8	4	32	12	5	42	39	6	52	14	4	58	53
9	4	34	19	5	45	24	6	55	36	4	58	24
10	4	36	21	5	48	2	6	58	52	4	57	48
11	4	38	18	5	50	35	7	2	1	4	57	6
12	4	40	12	5	53	2	7	5	3	4	56	19
13	4	41	58	5	55	22	7	7	57	4	55	27
14	4	43	41	5	57	36	7	10	45	4	54	30
15	4	45	19	5	59	44	7	13	25	4	53	27
16	4	46	53	6	1	46	7	15	58	4	52	19
17	4	48	22	6	3	42	7	18	24	4	51	3
18	4	49	44	6	5	31	7	20	42	4	49	45
19	4	51	2	6	7	15	7	22	53	4	48	21
20	4	52	15	6	8	52	7	24	56	4	46	51
21	4	53	22	6	10	23	7	26	52	4	45	16
22	4	54	23	6	11	46	7	28	39	4	43	34
23	4	55	20	6	13	3	7	30	20	4	41	44
24	4	56	12	6	14	14	7	31	52	4	39	56
25	4	56	59	6	15	19	7	33	16	4	37	58
26	4	57	38	6	16	17	7	34	32	4	35	56
27	4	58	14	6	17	8	7	35	40	4	33	47
28	4	58	45	6	17	52	7	36	41	4	31	33
29	4	59	10	6	18	29	7	37	34	4	29	13
30	4	59	30	6	18	59	7	38	17	4	26	49
S.	IX						VIII					

Adde

E

Ta-

## Tabula XVII.

Æquationum Centri D

Subtrahæ

S	IV									V								
	Exc. Min.			Media			Maxima			Exc. Min.			Media			Maxima		
	o	l	ll	o	l	ll	o	l	ll	o	l	ll	o	l	ll	o	l	ll
0	4	26	49	5	40	5	6	54	23	2	37	10	3	21	48	4	7	29
1	4	24	19	5	37	0	6	50	42	2	32	27	3	15	48	4	0	10
2	4	21	43	5	33	46	6	46	52	2	27	42	3	9	44	3	52	45
3	4	19	1	5	30	25	6	42	54	2	22	54	3	3	36	3	45	14
4	4	16	14	5	26	57	6	38	48	2	18	3	2	57	24	3	37	39
5	4	13	22	5	23	24	6	34	34	2	13	9	2	51	6	3	29	59
6	4	10	25	5	19	43	6	30	11	2	8	13	2	44	45	3	22	14
7	4	7	24	5	15	58	6	25	40	2	3	14	2	38	22	3	14	24
8	4	4	18	5	12	6	6	21	1	1	58	12	2	31	55	3	6	30
9	4	1	8	5	8	6	6	16	14	1	53	7	2	25	24	2	58	31
10	3	57	53	5	4	0	6	11	20	1	48	1	2	18	50	2	50	29
11	3	54	32	4	59	48	6	6	16	1	42	52	2	12	13	2	42	23
12	3	51	7	4	55	30	6	1	6	1	37	41	2	5	32	2	34	12
13	3	47	38	4	51	6	5	55	49	1	32	27	1	58	49	2	25	58
14	3	44	4	4	46	36	5	50	21	1	27	11	1	52	5	2	17	41
15	3	40	27	4	42	0	5	44	48	1	21	54	1	45	17	2	9	21
16	3	36	43	4	37	17	5	39	6	1	16	35	1	38	26	2	0	58
17	3	32	55	4	32	27	5	33	17	1	11	14	1	31	33	1	52	31
18	3	29	2	4	27	32	5	27	22	1	5	55	1	24	38	1	44	1
19	3	25	5	4	22	33	5	21	19	1	0	27	1	17	42	1	35	29
20	3	21	4	4	17	28	5	15	9	0	55	2	1	10	44	1	26	55
21	3	16	59	4	12	17	5	8	52	0	49	34	1	3	43	1	18	19
22	3	12	48	4	7	1	5	2	28	0	44	7	0	56	42	1	9	42
23	3	8	34	4	1	40	4	55	58	0	38	37	0	49	40	1	1	3
24	3	4	16	3	56	13	4	49	21	0	33	8	0	42	36	0	52	22
25	2	59	53	3	50	40	4	42	38	0	27	38	0	35	30	0	43	40
26	2	55	27	3	45	3	4	35	48	0	22	8	9	28	25	0	34	57
27	2	50	58	3	39	21	4	28	52	0	16	37	0	21	19	0	26	13
28	2	46	26	3	33	34	4	21	49	0	11	4	0	14	13	0	17	29
29	2	41	50	3	27	43	4	14	41	0	5	32	0	7	7	0	8	45
30	2	37	10	3	21	48	4	7	29	0	0	0	0	0	0	0	0	0

VII

VI

Adde

Ta-



## Tabula XIII.

Variationis

Adde									
	O vel VI.		Diff.	I vel VII		Diff.	II vel VIII		Diff.
	l	ll		l	ll		l	ll	
0	0	0		32	54		32	54	30
1	1	20	I	33	33	0	39	32	41
2	2	39	I	34	9	0	36	13	43
3	3	59	I	34	42	0	33	30	45
4	5	18	I	35	13	0	31	45	48
5	6	36	I	35	42	0	29	57	50
6	7	54	I	36	9	0	27	7	53
7	9	11	I	36	32	0	23	14	54
8	10	28	I	36	52	0	20	20	56
9	11	44	I	37	10	0	18	24	58
10	13	0	I	37	25	0	15	26	1
11	14	14	I	37	38	0	13	25	2
12	15	27	I	37	48	0	10	23	3
13	16	40	I	37	55	0	7	22	5
14	17	51	I	37	59	0	4	21	7
15	19	0	I	38	0	0	1	20	8
16	20	8	I	37	59	0	1	19	9
17	21	15	I	37	55	0	4	17	11
18	22	20	I	37	48	0	7	16	13
19	23	23	I	37	38	0	10	15	13
20	24	25	I	37	25	0	13	14	14
21	25	26	I	37	10	0	15	13	16
22	26	24	0	36	52	0	18	11	16
23	27	20	0	36	32	0	20	10	17
24	28	14	0	36	9	0	23	9	17
25	29	7	0	35	42	0	27	7	18
26	29	57	0	35	13	0	29	6	18
27	30	45	0	34	42	0	31	5	19
28	31	30	0	34	9	0	33	18	19
29	32	13	0	33	33	0	36	39	20
	XI vel V		Diff.	X vel IV		Diff.	IX vel III		Diff.
			Sub.			add.			add.

Subtrahe

## Tabula XIX.

Æquationis  $\Omega$ , Inclinationis  $\gamma$  & Reductionis

O. vel VI.

Arg. Lat.	Æqu. $\Omega$			Diff. add.	Inclin. $\gamma$			Diff. add.	Reduc. Sub.			Diff. add.	
	G.	M.	S.		M.	S.	Num. art.		M.	S.	S.		
0	0	0	0				1.03447	0	0	0	15	30	
1	0	3	28	3 28			1.03447	12	0	15	15	29	
2	0	6	56	3 27			1.03449	4	0	30	15	28	
3	0	10	23	3 26			1.03453	5	0	45	14	27	
4	0	13	49	3 22			1.03458	7	0	59	14	26	
5	0	17	11	3 20			1.03465	9	1	13	14	25	
6	0	20	31	3 17			1.03474	10	1	27	15	24	
7	0	23	48	3 14			1.03484	11	1	42	14	23	
8	0	27	2	3 11			1.03495	11	1	56	14	22	
9	0	30	13	3 9			1.03506	14	2	10	14	21	
10	0	33	22	3 7			1.03520	16	2	24	14	20	
11	0	36	29	3 5			1.03536	18	2	38	14	19	
12	0	39	34	3 3			1.03554	18	2	52	14	18	
13	0	42	37	3 1			1.03572	18	3	6	13	17	
14	0	45	38	2 59			1.03590	20	3	19	13	16	
15	0	48	37	2 56			1.03610	23	3	32	12	15	
16	0	51	33	2 54			1.03633	23	3	44	12	14	
17	0	54	27	2 50			1.03656	25	3	56	12	13	
18	0	57	17	2 49			1.03681	25	4	8	11	12	
19	1	0	6	2 45			1.03706	28	4	19	11	11	
20	1	2	51	2 40			1.03734	29	4	30	11	10	
21	1	5	31	2 33			1.03763	30	4	41	11	9	
22	1	8	4	2 25			1.03793	30	4	52	10	8	
23	1	10	29	2 19			1.03823	32	5	2	10	7	
24	1	12	48	2 13			1.03855	32	5	12	10	6	
25	1	15	1	2 7			1.03887	34	5	22	9	5	
26	1	17	8	2 4			1.03921	35	5	31	9	4	
27	1	19	12	2 2			1.03956	35	5	40	9	3	
28	1	21	14	2 0			1.03991	36	5	49	9	2	
29	1	23	14	1 58			1.04027	37	5	58	8	1	
30	1	25	12				1.04064		6	6		0	
	Subtr.			Sub.				Sub.	add.			Sub.	

V. vel XI.

Ta-

## Tabula XIX.

Equationis  $\Omega$ , Inclinationis, & Reductionis:

I. vel VII.

Arg.	Equ. $\Omega$ add.	Differ. add.	Inclin. $\Omega$ Maxima	Diff add.	Reduc Sub.	Diff. add.	
Lat.	G. M. S.	M. S.	Num.art.		M. S.	S	
0	I 25 12	I 48	I.04064	37	6 6	6	30
1	I 27 0	I 37	I.04101	39	6 12	6	29
2	I 28 37	I 27	I.04140	39	6 18	6	28
3	I 30 4	I 18	I.04179	40	6 24	5	27
4	I 31 22	I 9	I.04219	41	6 29	6	26
5	I 32 30	I 4	I.04260	42	6 35	5	25
6	I 33 34	I 0	I.04302	42	6 40	4	24
7	I 34 34	O 57	I.04344	42	6 44	3	23
8	I 35 31	O 54	I.04386	43	6 47	4	22
9	I 36 25	O 50	I.04429	45	6 51	3	21
10	I 37 15	O 44	I.04474	44	6 54	2	20
11	I 37 59	O 38	I.04518	44	6 56	1	19
12	I 38 37	O 32	I.04562	43	6 57	1	18
13	I 39 9	O 24	I.04605	43	6 58	1	17
14	I 39 33	O 13	I.04648	42	6 59	1	16
15	I 39 46	O Sub. 12	I.04690	42	7 0	S.	15
16	I 39 34	O 23	I.04732	44	6 59	1	14
17	I 39 11	O 30	I.04776	44	6 58	1	13
18	I 38 41	O 36	I.04820	45	6 57	1	12
19	I 38 5	O 42	I.04865	45	6 56	2	11
20	I 37 23	O 49	I.04910	44	6 54	3	10
21	I 36 34	O 46	I.04954	43	6 51	4	9
22	I 35 48	O 52	I.04997	43	6 47	3	8
23	I 34 56	O 53	I.05040	42	6 44	4	7
24	I 34 3	O 57	I.05082	43	6 40	5	6
25	I 33 6	I 1	I.05125	43	6 35	6	5
26	I 32 5	I 5	I.05168	40	6 29	6	4
27	I 31 0	I 13	I.05208	40	6 23	6	3
28	I 29 47	I 23	I.05248	40	6 17	6	2
29	I 28 24	I 34	I.05288	38	6 11	6	1
30	I 26 50		I.05326		6 5		0
	Subtr.	add.		Sub.	add.	add.	

IV. vel X.

Ta-

## Tabula XIX.

Equationis  $\Omega$ , Inclinationis, & Reductionis.

II. vel VIII.

Arg.	Equ. $\Omega$	Diff.	Inclin. $\Omega$	Diff.	Reduc.	Diff.	
lat.	add.	add.	maxima	add.	Subtr.	Subtr.	
0	G. M. S.	M. S.	Num. art.		M. S.	S.	
1	1 26 50	1 49	1.05326	38	6 5	8	30
2	1 25 1	1 55	1.05364	37	5 57	9	29
3	1 23 6	2 0	1.05401	36	5 48	9	28
4	1 21 6	2 3	1.05437	36	5 39	9	27
5	1 19 3	2 7	1.05473	35	5 30	9	26
6	1 16 56	2 12	1.05508	34	5 21	9	25
7	1 14 44	2 18	1.05542	33	5 12	11	24
8	1 12 26	2 24	1.05575	31	5 1	10	23
9	1 10 2	2 31	1.05606	31	4 51	11	22
10	1 7 31	2 38	1.05637	31	4 40	11	21
11	1 4 53	2 44	1.05668	28	4 29	11	20
12	1 2 9	2 50	1.05696	27	4 18	11	19
13	0 59 19	2 56	1.05723	26	4 7	12	18
14	0 56 23	3 2	1.05749	24	3 55	12	17
15	0 53 21	3 6	1.05773	24	3 43	12	16
16	0 50 15	3 9	1.05797	22	3 31	13	15
17	0 47 6	3 10	1.05819	19	3 18	13	14
18	0 43 56	3 12	1.05838	19	3 5	13	13
19	0 40 44	3 15	1.05857	19	2 52	14	12
20	0 37 29	3 17	1.05876	17	2 38	15	11
21	0 34 12	3 19	1.05893	15	2 23	14	10
22	0 30 53	3 21	1.05908	12	2 9	14	9
23	0 27 32	3 23	1.05920	11	1 55	14	8
24	0 24 9	3 25	1.05931	10	1 41	15	7
25	0 20 44	3 26	1.05941	10	1 26	14	6
26	0 17 18	3 27	1.05951	7	1 12	14	5
27	0 13 51	3 27	1.05958	5	0 58	14	4
28	0 10 24	3 27	1.05963	5	0 44	14	3
29	0 6 57	3 28	1.05968	2	0 30	15	2
30	0 3 29	3 29	1.05970	0	0 15	15	1
	0 0 0		1.05970		0 0	15	0
	Subtr.	add.		Sub.	add.	add.	

III. vel IX.

Ta

**TABULÆ KRONO-ZEOARO-APHRO-HERMOMETRICÆ  
SEU PLANETARIÆ AD CALCULUM**

**h. 24. 0', 0", & 0"**  
**ACCOMODATÆ,**

**Tabula I Præcessionis Æquinoctiorum, seu motus Fixarum  
in longitudinem ad hos annos, menses, ac dies.**

**Radix Præcessionis Æquinoctiorum**

**Anno completo 1700**

S.	G.	M.	S.
0	28	55	58

**Tabula Annorum expanforum**

An.	M.	S.	An.B.	G.	M.	S.
1	0	50	40	0	33	20
2	1	40	60	0	50	0
3	2	30	80	1	6	40
B 4	3	20	100	1	23	20
5	4	10	120	1	40	0
6	5	0	140	1	56	40
7	5	50	160	2	13	20
B 8	6	40	180	2	30	0
9	7	30	200	2	46	40
10	8	20	220	3	3	20
11	9	10	240	3	20	0
B 12	10	0	260	3	36	40
13	10	50	280	3	53	20
14	11	40	300	4	10	0
15	12	30	320	4	26	40
B 16	13	20	340	4	43	20
17	14	10	360	5	0	0
18	15	0	380	5	16	40
19	15	50	400	5	33	20
B 20	16	40	500	6	56	40

**Tabu'a Mensum ac dierum  
completorum**

Menses	Sec.	Menses	Sec.	Dies	Sec.
Januarius	4	Julius	29	1	0
Februarius	8	Augustus	33	4	1
Martius	12	Septemb.	38	11	2
Aprilis	17	October	42	19	3
Majus	21	Novemb.	46	26	4
Junius	25	Decemb.	50	30	4

## .. Tabula II.

Distantiæ ☉ à Terra

Anomalia ☉ media						
	O	I	II	III	IV	V
0	5.00729	5.00637	5.00378	5.00013	4.99638	4.99259
1	5.00729	5.00631	5.00367	5.00000	4.99627	4.99352
2	5.00728	5.00625	5.00356	4.99987	4.99615	4.99346
3	5.00728	5.00618	5.00345	4.99974	4.99604	4.99340
4	5.00727	5.00612	5.00333	4.99961	4.99593	4.99334
5	5.00726	5.00605	5.00322	4.99948	4.99582	4.99328
6	5.00725	5.00598	5.00311	4.99935	4.99571	4.99322
7	5.00724	5.00590	5.00299	4.99922	4.99561	4.99317
8	5.00723	5.00583	5.00287	4.99909	4.99550	4.99312
9	5.00721	5.00575	5.00276	4.99896	4.99540	4.99307
10	5.00719	5.00568	5.00264	4.99884	4.99529	4.99303
11	5.00717	5.00560	5.00252	4.99871	4.99519	4.99298
12	5.00714	5.00551	5.00240	4.99858	4.99509	4.99294
13	5.00712	5.00543	5.00227	4.99845	4.99500	4.99290
14	5.00709	5.00535	5.00215	4.99833	4.99490	4.99287
15	5.00706	5.00526	5.00203	4.99820	4.99480	4.99283
16	5.00703	5.00517	5.00191	4.99807	4.99471	4.99280
17	5.00700	5.00508	5.00179	4.99795	4.99462	4.99277
18	5.00696	5.00499	5.00166	4.99782	4.99453	4.99274
19	5.00692	5.00489	5.00153	4.99770	4.99444	4.99271
20	5.00688	5.00480	5.00141	4.99757	4.99435	4.99269
21	5.00684	5.00470	5.00128	4.99745	4.99427	4.99267
22	5.00680	5.00461	5.00116	4.99733	4.99419	4.99265
23	5.00675	5.00451	5.00103	4.99721	4.99411	4.99264
24	5.00670	5.00441	5.00090	4.99709	4.99403	4.99262
25	5.00665	5.00431	5.00077	4.99697	4.99395	4.99261
26	5.00660	5.00420	5.00064	4.99685	4.99387	4.99260
27	5.00655	5.00410	5.00051	4.99673	4.99380	4.99259
28	5.00649	5.00399	5.00038	4.99661	4.99373	4.99259
29	5.00643	5.00389	5.00026	4.99650	4.99366	4.99259
30	5.00637	5.00378	5.00013	4.99638	4.99359	4.99259
	XI	X	IX	VIII	VII	VI

## Tabula Kronometrica.

Tabula III. Epocharum &amp; ad hos annos;

Anni expansi.						Anni collecti.					
Anni Christi		Anomalia ♄				Anni Christi.		Anomalia ♄			
Stilo Gregor.		S.	G.	M.	S.	Stilo.		S.	G.	M.	S.
Mille.	1700	2	23	42	39	B	1705	4	24	48	28
	1800	7	15	47	9		1706	5	7	1	14
	1900	0	7	51	39		1707	5	19	14	0
	2000	2	29	58	9		1708	6	1	30	46
B	1	0	12	12	46	B	1709	6	13	41	32
	2	0	24	25	32		1710	6	25	54	18
	3	1	6	38	17		1711	7	8	7	4
	4	1	18	53	4		1712	7	20	23	51
B	5	2	1	5	49	B	1713	8	2	34	36
	6	2	13	18	35		1714	8	14	47	21
	7	2	25	31	21		1715	8	27	0	7
	8	3	7	46	7		1716	9	9	16	53
B	9	3	19	58	53	B	1717	9	21	27	39
	10	4	2	11	39		1718	10	3	40	25
	11	4	14	24	25		1719	10	15	53	10
	12	4	26	39	11		1720	10	28	7	57
B	13	5	8	51	57	B	1721	11	10	20	43
	14	5	21	4	42		1722	11	22	33	29
	15	6	3	17	28		1723	0	4	46	14
	16	6	15	32	14		1724	0	17	1	1
B	17	6	27	45	0	B	1725	0	29	13	46
	18	7	9	57	4		1726	1	11	26	32
	19	7	22	10	32		1727	1	23	39	18
	20	8	4	25	18		1728	2	5	54	4
B	40	4	8	50	36	B	1729	2	18	6	50
B	60	0	13	15	54		1730	3	0	19	36
B	80	8	17	41	12		1731	3	12	32	22
B	100	4	22	6	20		1732	3	24	47	8
B	200	9	14	13	0	B	1733	4	6	59	54
B	300	2	16	19	30		1734	4	19	12	39
B	400	6	28	26	0		1735	5	1	25	25
B	500	11	20	32	30		1736	5	13	40	11

## Tabulæ Kronometricæ.

Tabula III. Epöcharum  $\frac{1}{2}$  ad hos annos.

Anni Christi	Anni collecti			
	Anomalia $\frac{1}{2}$			
	S.	G.	M.	S.
1737	5	25	52	57
1738	6	8	5	43
1739	6	20	18	28
B 1740	7	2	33	15
1741	7	14	46	1
1742	7	26	58	47
1743	8	9	11	32
B 1744	8	21	26	19
1745	9	3	39	4
1746	9	15	51	50
1747	9	28	4	36
B 1748	10	10	19	22
1749	10	22	32	8
1750	11	4	44	54
1751	11	16	57	40
B 1752	11	29	12	26
1753	0	11	25	12
1754	0	23	37	57
1755	1	5	50	43
B 1756	1	18	5	29
1757	2	0	18	15
1758	2	12	31	1
1759	2	24	43	46
B 1760	3	6	58	33
1761	3	19	11	19
1762	4	1	24	5
1763	4	13	36	50
B 1764	4	25	51	37
1765	5	8	4	22
1766	5	20	17	8
1767	6	2	29	54
B 1768	6	14	44	40

Anni Christi	Anni collecti.			
	Anomalia $\frac{1}{2}$			
	S.	G.	M.	S.
1769	6	26	57	26
1770	7	9	10	12
1771	7	21	22	58
B 1772	8	3	37	44
1773	8	15	50	30
1774	8	28	3	15
1775	9	10	16	1
B 1776	9	22	30	47
1777	10	4	43	33
1778	10	16	56	19
1779	10	29	9	4
B 1780	11	11	23	51
1781	11	23	36	37
1782	0	5	49	23
1783	0	18	2	8
B 1784	1	0	16	55
1785	1	12	29	40
1786	1	24	42	26
1787	2	6	55	12
B 1788	2	19	9	58
1789	3	1	22	44
1790	3	13	35	30
1791	3	25	48	16
B 1792	4	8	3	2
1793	4	20	15	48
1794	5	2	28	33
1795	5	14	41	19
B 1796	5	26	56	5
1797	6	9	8	51
1798	6	21	21	37
1799	7	3	34	22
1800	7	15	47	9



## Tabula Kronometrica.

Tabula IV.

Tabula V.

		Anomalia				H. Anom.			Anom.		
		Dies	G.	M.	S.	M	M.	S.	M	S.	T.
Menses	Communes	1	0	2	0						
Menses	Anomalia	2	0	4	1	1	0	5	31	2	36
Compleri	G. M. S.	3	0	6	1	2	0	10	32	2	41
Januarius	1 2 14	4 <th>0</th> <th>8</th> <th>2</th> <th>3</th> <th>0</th> <th>15</th> <th>33</th> <th>2</th> <th>46</th>	0	8	2	3	0	15	33	2	46
Februarius	1 58 27	5 <th>0</th> <th>10</th> <th>2</th> <th>4</th> <th>0</th> <th>20</th> <th>34</th> <th>2</th> <th>51</th>	0	10	2	4	0	20	34	2	51
Martius	3 0 41	6 <th>0</th> <th>12</th> <th>3</th> <th>5</th> <th>0</th> <th>25</th> <th>35</th> <th>2</th> <th>56</th>	0	12	3	5	0	25	35	2	56
Aprilis	4 0 55	7 <th>0</th> <th>14</th> <th>3</th> <th>6</th> <th>0</th> <th>30</th> <th>36</th> <th>3</th> <th>1</th>	0	14	3	6	0	30	36	3	1
Majus	5 3 9	8 <th>0</th> <th>16</th> <th>4</th> <th>7</th> <th>0</th> <th>35</th> <th>37</th> <th>3</th> <th>6</th>	0	16	4	7	0	35	37	3	6
Junius	6 3 22	9 <th>0</th> <th>18</th> <th>4</th> <th>8</th> <th>0</th> <th>40</th> <th>38</th> <th>3</th> <th>11</th>	0	18	4	8	0	40	38	3	11
Julius	7 5 36	10 <th>0</th> <th>20</th> <th>5</th> <th>9</th> <th>0</th> <th>45</th> <th>39</th> <th>3</th> <th>16</th>	0	20	5	9	0	45	39	3	16
Augustus	8 7 50	11 <th>0</th> <th>22</th> <th>5</th> <th>10</th> <th>0</th> <th>50</th> <th>40</th> <th>3</th> <th>21</th>	0	22	5	10	0	50	40	3	21
September	9 8 4	12 <th>0</th> <th>24</th> <th>5</th> <th>11</th> <th>0</th> <th>55</th> <th>41</th> <th>3</th> <th>26</th>	0	24	5	11	0	55	41	3	26
October	10 10 18	13 <th>0</th> <th>26</th> <th>6</th> <th>12</th> <th>1</th> <th>0</th> <th>42</th> <th>3</th> <th>31</th>	0	26	6	12	1	0	42	3	31
November	11 10 32	14 <th>0</th> <th>28</th> <th>6</th> <th>13</th> <th>1</th> <th>5</th> <th>43</th> <th>3</th> <th>36</th>	0	28	6	13	1	5	43	3	36
December	12 12 46	15 <th>0</th> <th>30</th> <th>7</th> <th>14</th> <th>1</th> <th>10</th> <th>44</th> <th>3</th> <th>41</th>	0	30	7	14	1	10	44	3	41
		16 <th>0</th> <th>32</th> <th>7</th> <th>15</th> <th>1</th> <th>15</th> <th>45</th> <th>3</th> <th>46</th>	0	32	7	15	1	15	45	3	46
Menses	Bifextiles	17 <th>0</th> <th>34</th> <th>8</th> <th>16</th> <th>1</th> <th>20</th> <th>46</th> <th>3</th> <th>51</th>	0	34	8	16	1	20	46	3	51
Menses	Anomalia	18 <th>0</th> <th>36</th> <th>8</th> <th>17</th> <th>1</th> <th>25</th> <th>47</th> <th>3</th> <th>56</th>	0	36	8	17	1	25	47	3	56
Compleri	G. M. S.	19 <th>0</th> <th>38</th> <th>9</th> <th>18</th> <th>1</th> <th>30</th> <th>48</th> <th>4</th> <th>1</th>	0	38	9	18	1	30	48	4	1
Januarius	1 2 14	20 <th>0</th> <th>40</th> <th>9</th> <th>19</th> <th>1</th> <th>35</th> <th>49</th> <th>4</th> <th>6</th>	0	40	9	19	1	35	49	4	6
Februarius	2 0 27	21 <th>0</th> <th>42</th> <th>10</th> <th>20</th> <th>1</th> <th>40</th> <th>50</th> <th>4</th> <th>11</th>	0	42	10	20	1	40	50	4	11
Martius	3 2 41	22 <th>0</th> <th>44</th> <th>10</th> <th>21</th> <th>1</th> <th>45</th> <th>51</th> <th>4</th> <th>16</th>	0	44	10	21	1	45	51	4	16
Aprilis	4 2 55	23 <th>0</th> <th>46</th> <th>10</th> <th>22</th> <th>1</th> <th>50</th> <th>52</th> <th>4</th> <th>21</th>	0	46	10	22	1	50	52	4	21
Majus	5 5 10	24 <th>0</th> <th>48</th> <th>11</th> <th>23</th> <th>1</th> <th>55</th> <th>53</th> <th>4</th> <th>26</th>	0	48	11	23	1	55	53	4	26
Junius	6 5 24	25 <th>0</th> <th>50</th> <th>11</th> <th>24</th> <th>2</th> <th>0</th> <th>54</th> <th>4</th> <th>31</th>	0	50	11	24	2	0	54	4	31
Julius	7 7 36	26 <th>0</th> <th>52</th> <th>12</th> <th>25</th> <th>2</th> <th>5</th> <th>55</th> <th>4</th> <th>36</th>	0	52	12	25	2	5	55	4	36
Augustus	8 9 50	27 <th>0</th> <th>54</th> <th>12</th> <th>26</th> <th>2</th> <th>10</th> <th>56</th> <th>4</th> <th>41</th>	0	54	12	26	2	10	56	4	41
September	9 10 4	28 <th>0</th> <th>56</th> <th>13</th> <th>27</th> <th>2</th> <th>15</th> <th>57</th> <th>4</th> <th>46</th>	0	56	13	27	2	15	57	4	46
October	10 12 19	29 <th>0</th> <th>58</th> <th>13</th> <th>28</th> <th>2</th> <th>20</th> <th>58</th> <th>4</th> <th>51</th>	0	58	13	28	2	20	58	4	51
November	11 12 32	30 <th>1</th> <th>0</th> <th>14</th> <th>29</th> <th>2</th> <th>25</th> <th>59</th> <th>4</th> <th>56</th>	1	0	14	29	2	25	59	4	56
December	12 14 46	31 <th>1</th> <th>2</th> <th>14</th> <th>30</th> <th>2</th> <th>31</th> <th>60</th> <th>5</th> <th>1</th>	1	2	14	30	2	31	60	5	1

## Tabulæ Kronometricæ.

Tabula VI. Longitudinis mediæ h

Anomaliz mediæ Signa O.																
Longitudo h à * Y					Differencia Add.		Inclinatio S. D.			Differencia Sub.			Distantia à cur. Logarit.		Diff	
G	S	O	I	II	O	I	II	O	I	II	O	I	II	Sub.	Sub.	
0	7	28	31	13	53	33		1	0	10	2	9		6.00361	0	
1	7	29	24	46	53	33		0	58	1	2	10		6.00361	0	
2	8	0	18	19	53	33		0	55	51	2	11		6.00361	2	
3	8	1	11	52	53	33		0	53	40	2	11		6.00359	1	
4	8	2	5	25	53	33		0	51	29	2	12		6.00357	2	
5	8	2	58	58	53	33		0	49	17	2	13		6.00355	3	
6	8	3	52	32	53	34		0	47	4	2	13		6.00352	4	
7	8	4	46	6	53	34		0	44	51	2	15		6.00348	4	
8	8	5	39	41	53	35		0	42	36	2	15		6.00344	5	
9	8	6	33	16	53	35		0	40	21	2	15		6.00339	6	
10	8	7	26	52	53	36		0	38	6	2	16		6.00333	7	
11	8	8	20	39	53	38		0	35	50	2	16		6.00326	7	
12	8	9	14	8	53	38		0	33	34	2	16		6.00319	7	
13	8	10	7	48	53	40		0	31	17	2	17		6.00312	7	
14	8	11	1	28	53	40		0	28	59	2	18		6.00303	9	
15	8	11	55	10	53	42		0	26	41	2	18		6.00294	9	
16	8	12	48	53	53	43		0	24	23	2	18		6.00284	10	
17	8	13	42	37	53	44		0	22	4	2	19		6.00274	10	
18	8	14	36	24	53	47		0	19	44	2	20		6.00263	11	
19	8	15	30	13	53	49		0	17	24	2	20		6.00252	11	
20	8	16	24	2	53	49		0	15	4	2	20		6.00240	12	
21	8	17	17	53	53	51		0	12	43	2	21		6.00227	13	
22	8	18	11	47	53	54		0	10	23	2	21		6.00213	14	
23	8	19	5	43	53	56		0	8	2	2	21		6.00199	14	
24	8	19	59	40	53	57		0	5	41	2	21		6.00184	15	
25	8	20	53	40	54	0		0	3	20	2	21		6.00169	15	
26	8	21	47	42	54	2		0	0	58	2	22	A	6.00153	16	
27	8	22	41	47	54	5		0	1	23	2	21		6.00136	17	
28	8	23	35	54	54	7		0	3	45	2	22		6.00119	17	
29	8	24	30	4	54	10		0	6	6	2	21		6.00101	18	
30	8	25	24	16	54	12		0	8	28	2	22		6.00082	19	

## Tabulæ Kronometricæ

Tabula VI. Longitudinis mediæ ½

Anomaliz mediæ Signa I.																
G	Longitudo ½ à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia a ☉ cur. Logarit.		Diff
	S.	o	l	ll	o	l	ll	o	l	ll	o	l	ll		Sub.	
0	8	25	24	16	0	54	16	0	8	28	0	2	22	6.00082	19	
1	8	26	18	32		54	18	0	10	50	2	22		6.00063	19	
2	8	27	12	50		54	21	0	13	12	2	22		6.00044	21	
3	8	28	7	11		54	25	0	15	34	2	21		6.00023	21	
4	8	29	1	36		54	27	0	17	55	2	22		6.00002	21	
5	8	29	56	3		54	31	0	20	17	2	21		5.99981	23	
6	9	0	50	34		54	34	0	22	38	2	21		5.99958	22	
7	9	1	45	8		54	38	0	24	59	2	20		5.99936	24	
8	9	2	39	46		54	41	0	27	19	2	21		5.99912	23	
9	9	3	34	27		54	44	0	29	40	2	20		5.99889	25	
10	9	4	29	11		54	49	0	32	0	2	20		5.99864	25	
11	9	5	24	0		54	53	0	34	20	2	19		5.99839	25	
12	9	6	18	53		54	56	0	36	39	2	19		5.99814	26	
13	9	7	13	49		55	0	0	38	58	2	19		5.99788	27	
14	9	8	8	49		55	4	0	41	17	2	19		5.99761	28	
15	9	9	3	53		55	9	0	43	36	2	18		5.99733	27	
16	9	9	59	2		55	13	0	45	54	2	17		5.99706	29	
17	9	10	54	15		55	17	0	48	11	2	16		5.99677	29	
18	9	11	49	32		55	22	0	50	27	2	16		5.99648	30	
19	9	12	44	54		55	26	0	52	43	2	16		5.99618	29	
20	9	13	40	20		55	31	0	54	59	2	15		5.99589	30	
21	9	14	35	51		55	35	0	57	14	2	14		5.99559	31	
22	9	15	31	26		55	40	0	59	28	2	14		5.99528	32	
23	9	16	27	6		55	46	1	1	42	2	12		5.99496	32	
24	9	17	22	52		55	50	1	3	54	2	11		5.99464	32	
25	9	18	18	42		55	56	1	6	5	2	11		5.99432	33	
26	9	19	14	38		56	1	1	8	16	2	10		5.99400	33	
27	9	20	10	39		56	4	1	10	26	2	9		5.99366	34	
28	9	21	6	43		56	11	1	12	35	2	9		5.99332	35	
29	9	22	2	54		56	16	1	14	44	2	7		5.99297	35	
30	9	22	59	10				1	16	51				5.99262		

## Tabulæ Kronometrica.

Tabula VI. Longitudinis mediarum

Anomalie mediarum Signa II.															
G	Longitudo $\frac{1}{2}$ à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Diff.	
	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarit.	Sub.
0	9	22	59	10	0	56	22	1	16	51	0	2	6	5.99262	35
1	9	23	55	32		56	28	1	18	57		2	5	5.99227	35
2	9	24	52	0		56	32	1	21	2		2	4	5.99192	36
3	9	25	48	32		56	38	1	23	6		2	3	5.99156	37
4	9	26	45	10		56	45		25	9		2	1	5.99119	37
5	9	27	41	55		56	50	1	27	10		2	0	5.99082	37
6	9	28	38	45		56	56	1	29	10		1	59	5.99045	38
7	9	29	35	41		57	1	1	31	9		1	58	5.99007	38
8	10	0	32	42		57	8	1	33	7		1	57	5.98969	38
9	10	1	29	50		57	14	1	35	4		1	55	5.98931	39
10	10	2	27	4		57	20	1	36	59		1	53	5.98892	39
11	10	3	24	24		57	26	1	38	52		1	53	5.98853	39
12	10	4	21	50		57	33	1	40	45		1	51	5.98814	40
13	10	5	19	23		57	40	1	42	36		1	49	5.98774	40
14	10	6	17	3		57	45	1	44	25		1	48	5.98734	41
15	10	7	14	48		57	52	1	46	13		1	46	5.98693	40
16	10	8	12	40		57	58	1	47	59		1	44	5.98653	41
17	10	9	10	38		58	6	1	49	43		1	43	5.98612	42
18	10	10	8	44		58	12	1	51	26		1	41	5.98570	41
19	10	11	6	56		58	18	1	53	7		1	39	5.98529	42
20	10	12	5	14		58	26	1	54	46		1	37	5.98487	42
21	10	13	3	40		58	33	1	56	23		1	36	5.98445	42
22	10	14	2	13		58	39	1	57	59		1	34	5.98403	43
23	10	15	0	52		58	46	1	59	33		1	32	5.98360	43
24	10	15	59	38		58	52	2	1	5		1	30	5.98318	43
25	10	16	58	30		58	59	2	2	35		1	27	5.98275	43
26	10	17	57	29		59	8	2	4	2		1	26	5.98232	43
27	10	18	56	37		59	13	2	5	28		1	24	5.98188	44
28	10	19	55	50		59	22	2	6	52		1	22	5.98145	43
29	10	20	53	12		59	30	2	8	14		1	20	5.98101	44
30	10	21	54	42				2	9	34				5.98058	43

## Tabulæ Kronometricæ.

Tabula VI. Longitudinis mediæ ½

Anomaliz mediæ Signa III.																
G	Longitudo à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à cur. Logarit.		Diff Sub.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	10	21	54	42	0	59	36	2	9	34	0	1	18	5.98058		
1	10	22	54	18		59	43	2	10	52		1	15	5.98014	42	
2	10	23	54	1		59	50	2	12	7		1	13	5.97970	44	
3	10	24	53	51		59	58	2	13	20		1	10	5.97926	44	
4	10	25	53	49	1	0	5	2	14	30		1	9	5.97882	44	
5	10	26	53	54		0	12	2	15	39		1	6	5.97838	44	
6	10	27	54	6		0	19	2	16	45		1	4	5.97794	45	
7	10	28	54	25		0	27	2	17	49		1	1	5.97749	44	
8	10	29	54	52		0	35	2	18	50		0	58	5.97705	44	
9	11	0	55	27		0	42	2	19	48		0	56	5.97661	44	
10	11	1	56	9		0	49	2	20	44		0	54	5.97617	44	
11	11	2	56	58		0	56	2	21	38		0	52	5.97572	45	
12	11	3	57	54		1	5	2	22	30		0	48	5.97528	44	
13	11	4	58	59		1	13	2	23	18		0	46	5.97484	44	
14	11	6	0	12		1	19	2	24	4		0	43	5.97440	44	
15	11	7	1	31		1	27	2	24	47		0	39	5.97396	44	
16	11	8	2	58		1	34	2	25	28		0	38	5.97352	44	
17	11	9	4	32		1	41	2	26	6		0	35	5.97308	44	
18	11	10	6	13		1	49	2	26	41		0	33	5.97265	43	
19	11	11	8	2		1	58	2	27	14		0	29	5.97221	44	
20	11	12	10	0		2	3	2	27	43		0	27	5.97178	43	
21	11	13	12	3		2	12	2	28	10		0	24	5.97135	43	
22	11	14	14	15		2	18	2	28	33		0	21	5.97092	43	
23	11	15	16	33		2	26	2	28	55		0	18	5.97049	43	
24	11	16	18	59		2	35	2	29	13		0	15	5.97006	43	
25	11	17	21	34		2	40	2	29	28		0	12	5.96964	42	
26	11	18	24	14		2	49	2	29	40		0	10	5.96922	42	
27	11	19	27	3		2	54	2	29	50		0	6	5.96880	42	
28	11	20	29	57		3	4	2	29	56		0	3	5.96838	42	
29	11	21	33	1		3	9	2	29	59		0	0	5.96797	41	
30	11	22	36	10				2	29	59				5.96756	41	

## Tabulæ Kronometricæ.

Tabula VI. Longitudinis mediæ ½

Anomaliz mediæ Signa IV.																	
G	S	Longitudo ½ a * Y				Differencia Add.			Inclinatio M. A.			Differencia Sub.			Distantia a cur.		Diff Sub.
		o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.			
0	II	22	36	10	I	3	17	2	29	59	0	0	2	5.96756		41	
1	II	23	39	27		3	25	2	29	57		0	6	5.96715		40	
2	II	24	42	52		3	30	2	29	51		0	9	5.96675		40	
3	II	25	46	22		3	38	2	29	42		0	12	5.96635		40	
4	II	26	50	0		3	45	2	29	30		0	15	5.96595		39	
5	II	27	53	45		3	53	2	29	15		0	18	5.96556		38	
6	II	28	57	38		3	59	2	28	57		0	22	5.96518		39	
7	0	0	1	37		4	5	2	28	35		0	24	5.96479		38	
8	0	1	5	42		4	12	2	28	11		0	28	5.96441		37	
9	0	2	9	54		4	19	2	27	43		0	31	5.96404		37	
10	0	3	14	13		4	24	2	27	12		0	35	5.96367		37	
11	0	4	18	37		4	33	2	26	38		0	37	5.96330		36	
12	0	5	23	10		4	38	2	26	1		0	40	5.96294		36	
13	0	6	27	48		4	44	2	25	21		0	44	5.96258		35	
14	0	7	32	32		4	51	2	24	37		0	46	5.96223		34	
15	0	8	37	23		4	57	2	23	51		0	49	5.96189		34	
16	0	9	42	20		5	3	2	23	2		0	53	5.96155		34	
17	0	10	47	23		5	9	2	22	9		0	57	5.96121		32	
18	0	11	52	32		5	14	2	21	12		0	59	5.96089		33	
19	0	12	57	46		5	20	2	20	13		I	1	5.96056		31	
20	0	14	3	6		5	27	2	19	12		I	6	5.96025		31	
21	0	15	8	33		5	31	2	18	6		I	8	5.95994		31	
22	0	16	14	4		5	38	2	16	58		I	12	5.95963		29	
23	0	17	19	42		5	42	2	15	46		I	15	5.95934		29	
24	0	18	25	24		5	47	2	14	31		I	17	5.95905		29	
25	0	19	31	11		5	52	2	13	14		I	21	5.95876		28	
26	0	20	37	3		5	58	2	11	53		I	24	5.95848		27	
27	0	21	43	1		6	3	2	10	29		I	27	5.95821		26	
28	0	22	49	4		6	7	2	9	2		I	30	5.95795		25	
29	0	23	55	11		6	12	2	7	32		I	32	5.95770		25	
30	0	25	1	23				2	6	0				5.95745			

## Tabulæ Kronometricæ.

Tabula VI. Longitudinis mediæ h

Anomaliz mediæ Signa V.																
G	Longitudo h à * Y				Differentia Add.			Inclinatio M. A.			Differentia Sub.			Distantia à cur. Logarit.		Diff Sub.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	o	25	1	23	I	6	17	2	6	0	O.	1	36	5.95745	25	
1	o	26	7	40		6	20	2	4	24		1	38	5.95720		23
2	o	27	14	0		6	25	2	2	46		1	41	5.95697		23
3	o	28	20	25		6	28	2	1	5		1	44	5.95674		22
4	o	29	26	53		6	33	1	59	21		1	47	5.95652		21
5	I	0	33	26		6	37	1	57	34		1	50	5.95631		20
6	I	1	40	3		6	41	1	55	44		1	52	5.95611		20
7	I	2	46	44		6	43	1	53	52		1	55	5.95591		19
8	I	3	53	27		6	48	1	51	57		1	58	5.95572		18
9	I	5	0	15		6	50	1	49	59		2	0	5.95554		17
10	I	6	7	5	6	53	1	47	59	2	2	5.95537	16			
11	I	7	13	58	6	57	1	45	57	2	6	5.95521	16			
12	I	8	20	55	6	59	1	43	51	2	8	5.95505	14			
13	I	9	27	54	7	3	1	41	43	2	10	5.95491	14			
14	I	10	34	57	7	4	1	39	33	2	12	5.95477	13			
15	I	11	42	1	7	7	1	37	21	2	15	5.95464	12			
16	I	12	49	8	7	8	1	35	6	2	17	5.95452	11			
17	I	13	56	16	7	10	1	32	49	2	19	5.95441	11			
18	I	15	3	26	7	12	1	30	30	2	21	5.95430	9			
19	I	16	10	38	7	15	1	28	9	2	24	5.95421	9			
20	I	17	17	53	7	16	1	25	45	2	25	5.95412	8			
21	I	18	25	9	7	18	1	23	20	2	28	5.95404	7			
22	I	19	32	27	7	18	1	20	52	2	29	5.95397	6			
23	I	20	39	45	7	19	1	18	23	2	31	5.95391	5			
24	I	21	47	4	7	20	1	15	52	2	33	5.95386	4			
25	I	22	54	24	7	21	1	13	19	2	35	5.95382	3			
26	I	24	1	45	7	22	1	10	44	2	36	5.95379	3			
27	I	25	9	7	7	21	1	8	8	2	38	5.95376	1			
28	I	26	16	28	7	22	1	5	30	2	39	5.95375	1			
29	I	27	23	50	7	23	1	2	51	2	41	5.95374	0			
30	I	28	31	13				1	0	10			5.95374			

## Tabula Kronometrica.

Tabula VI. Longitudinis mediae h

Anomaliz mediz Signa VI.																
Longitudo h à * Y					Differentia Add.			Inclinatio M. A.			Differentia Sub.			Distantia à cur. Logarit.		Diff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			add.
0	1	28	31	13	1	7	23	1	0	10	0	2	44	5.95374		1
1	1	29	38	36		7	21	0	57	26		2	43	5.95375		2
2	2	0	45	57		7	21	0	54	43		2	44	5.95377		3
3	2	1	53	18		7	21	0	51	59		2	46	5.95380		3
4	2	3	0	39		7	20	0	49	13		2	47	5.95383		5
5	2	4	7	59		7	19	0	46	26		2	48	5.95388		5
6	2	5	15	18		7	17	0	43	38		2	50	5.95393		7
7	2	6	22	35		7	17	0	40	48		2	50	5.95400		7
8	2	7	29	52		7	16	0	37	58		2	50	5.95407		8
9	2	8	37	8		7	14	0	35	8		2	51	5.95415		9
10	2	9	44	22		7	12	0	32	17		2	52	5.95424		10
11	2	10	51	34		7	9	0	29	25		2	53	5.95434		10
12	2	11	58	43		7	8	0	26	32		2	53	5.95444		12
13	2	13	5	51		7	6	0	23	39		2	54	5.95456		12
14	2	14	12	57		7	3	0	20	45		2	54	5.95468		13
15	2	15	20	0		7	1	0	17	51		2	54	5.95481		14
16	2	16	27	1		7	0	0	14	57		2	55	5.95495		15
17	2	17	34	1		6	55	0	12	2		2	55	5.95510		15
18	2	18	40	56		6	53	0	9	7		2	55	5.95525		17
19	2	19	47	49		6	49	0	6	12		2	55	5.95542		17
20	2	20	54	38		6	47	0	3	17		2	54	5.95559		18
21	2	22	1	25		6	43	0	0	23		2	55	5.95577		19
22	2	23	8	8		6	39	0	2	32		2	54	5.95596		19
23	2	24	14	47		6	36	0	5	26		2	55	5.95615		21
24	2	25	21	23		6	32	0	8	21		2	54	5.95636		21
25	2	26	27	55		6	29	0	11	15		2	53	5.95657		21
26	2	27	34	24		6	23	0	14	8		2	53	5.95678		23
27	2	28	40	47		6	20	0	17	1		2	52	5.95701		23
28	2	29	47	7		6	16	0	19	53		2	52	5.95724		24
29	3	0	53	23		6	11	0	22	45		2	51	5.95748		25
30	3	1	59	34				0	25	36				5.95773		



## Tabulæ Kronometricæ.

Tabula VI. Longitudinis mediæ h

Anomaliz mediæ signa VII.																
G	Longitudo h à * Y				Differencia Add.			Inclinatio S. A.			Differencia Add.			Distantia Logarit.		Diff Ad.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.	Ad.	
0	3	1	59	34	1	6	6	0	25	36	0	2	50	5.95773	25	
1	3	3	5	40		6	2	0	28	26	0	2	49	5.95798	26	
2	3	4	11	42				0	31	15	2	2	49	5.95824	27	
3	3	5	17	40		5	58	0	34	4	2	2	49	5.95851	27	
4	3	6	23	32		5	52	0	36	51	2	2	47	5.95878	28	
5	3	7	29	19		5	47	0	39	37	2	2	46	5.95906	29	
6	3	8	35	0		5	41	0	42	23	2	2	46	5.95935	29	
7	3	9	40	37		5	37	0	45	8	2	2	45	5.95964	30	
8	3	10	46	9		5	32	0	47	51	2	2	43	5.95994	31	
9	3	11	51	35		5	26	0	50	32	2	2	41	5.96025	31	
10	3	12	56	57		5	22	0	53	13	2	2	41	5.96056	31	
11	3	14	2	11		5	14	0	55	52	2	2	39	5.96087	32	
12	3	15	7	20		5	9	0	58	30	2	2	38	5.96119	32	
13	3	16	12	24		5	4	1	1	7	2	2	37	5.96152	33	
14	3	17	17	21		4	57	1	3	41	2	2	34	5.96185	33	
15	3	18	22	12		4	51	1	6	14	2	2	33	5.96219	34	
16	3	19	26	58		4	46	1	8	45	2	2	31	5.96253	34	
17	3	20	31	37		4	39	1	11	15	2	2	30	5.96288	35	
18	3	21	36	10		4	33	1	13	43	2	2	28	5.96323	35	
19	3	22	40	37		4	27	1	16	9	2	2	26	5.96359	36	
20	3	23	44	56		4	19	1	18	33	2	2	24	5.96395	36	
21	3	24	49	10		4	14	1	20	56	2	2	23	5.96432	37	
22	3	25	53	17		4	7	1	23	16	2	2	20	5.96469	37	
23	3	26	57	18		4	1	1	25	35	2	2	19	5.96506	37	
24	3	28	1	11		3	53	1	27	51	2	2	16	5.96544	38	
25	3	29	4	59		3	48	1	30	5	2	2	14	5.96583	39	
26	4	0	8	40		3	41	1	32	18	2	2	13	5.96621	38	
27	4	1	12	13		3	33	1	34	28	2	2	10	5.96660	39	
28	4	2	15	39		3	26	1	36	36	2	2	8	5.96699	39	
29	4	3	19	0		3	21	1	38	42	2	2	6	5.96739	40	
30	4	4	22	12		3	12	1	40	46	2	2	4	5.96779	40	

## Tabulæ Kronometricæ:

## Tabula VI. Longitudinis mediz ♄

Anomaliz mediz Signa VIII.															
G	Longitudo ♄ à * Υ				Differentia Add.			Inclinatio S. A.			Differentia Add.			Distantia à ☉ cur. Logarit.	D <sup>f</sup> ff
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Ad.	
0	4	4	22	12				1	40	46				5.96779	
1	4	5	25	18	1	3	6	1	42	47	0	2	1	5.96819	40
2	4	6	28	18		3	0	1	44	46		1	59	5.96860	41
3	4	7	31	9		2	51	1	46	43		1	57	5.96900	40
4	4	8	33	54		2	45	1	48	37		1	54	5.96941	41
5	4	9	36	31		2	37	1	50	29		1	52	5.96982	41
6	4	10	39	2		2	31	1	52	18		1	49	5.97024	42
7	4	11	41	25		2	23	1	54	5		1	47	5.97066	42
8	4	12	43	40		2	15	1	55	50		1	45	5.97108	42
9	4	13	45	50		2	10	1	57	33		1	43	5.97150	42
10	4	14	47	51		2	1	1	59	13		1	40	5.97192	42
11	4	15	49	46		1	55	2	0	50		1	37	5.97234	42
12	4	16	51	33		1	47	2	2	24		1	34	5.97277	43
13	4	17	53	12		1	39	2	2	56		1	32	5.97319	42
14	4	18	54	44		1	32	2	3	26		1	30	5.97362	43
15	4	19	56	10		1	26	2	5	26		1	27	5.97405	43
16	4	20	57	27		1	17	2	6	53		1	24	5.97448	43
17	4	21	58	38		1	11	2	8	17		1	22	5.97491	43
18	4	22	59	42		1	4	2	9	39		1	20	5.97534	43
19	4	24	0	38		0	56	2	10	59		1	16	5.97577	43
20	4	25	1	27		0	49	2	12	15		1	14	5.97620	43
21	4	26	2	8		0	41	2	13	29		1	11	5.97664	44
22	4	27	2	42		0	34	2	14	40		1	9	5.97707	43
23	4	28	3	9		0	27	2	15	49		1	6	5.97750	43
24	4	29	3	28		0	19	2	16	55		1	3	5.97793	43
25	5	0	3	41		0	13	2	17	58		1	1	5.97836	43
26	5	1	3	46		0	5	2	18	59	0	57		5.97879	43
27	5	2	3	45	0	59	59	2	19	56	0	55		5.97922	43
28	5	3	3	35		59	50	2	20	51	0	53		5.97965	43
29	5	4	3	19		59	44	2	21	44	0	51		5.98008	43
30	5	5	2	56		59	37	2	22	35	0	47		5.98051	43

## Tabulæ Kronometricæ.

Tabula VI, Longitudinis mediæ ½

Anomaliz mediæ Signa IX.																
Longitudo ½ à * Y					Differentia Add.			Inclinatio S. A.			Differentia Add.			Diffantia à cur. Logarit.		Diff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			Ad.
0	5	5	2	56	0	59	30	2	23	22	0	0	43	5.98051		42
1	5	6	2	26		59	24	2	24	5		0	42	5.98093		43
2	5	7	1	50		59	15	2	24	47		0	40	5.98136		43
3	5	8	1	5		59	9	2	25	27		0	36	5.98179		42
4	5	9	0	14		59	1	2	26	3		0	34	5.98221		42
5	5	9	59	15		58	55	2	26	37		0	32	5.98263		42
6	5	10	58	10		58	48	2	27	9		0	28	5.98305		41
7	5	11	56	58		58	42	2	27	37		0	26	5.98346		42
8	5	12	55	40		58	35	2	28	3		0	23	5.98388		41
9	5	13	54	15		58	27	2	28	26		0	21	5.98429		41
10	5	14	52	43		58	21	2	28	47		0	18	5.98470		41
11	5	15	51	4		58	15	2	29	5		0	16	5.98511		41
12	5	16	49	19		58	9	2	29	21		0	13	5.98552		41
13	5	17	47	28		58	1	2	29	34		0	10	5.98593		40
14	5	18	45	29		57	56	2	29	44		0	8	5.98633		40
15	5	19	43	25		57	48	2	29	52		0	5	5.98673		39
16	5	20	41	13		57	43	2	29	57		0	2	5.98712		40
17	5	21	38	56		57	36	2	29	D 59		0	0	5.98752		39
18	5	22	36	32		57	30	2	29	59		Sub.	2	5.98791		39
19	5	23	34	2		57	24	2	29	57		0	5	5.98830		38
20	5	24	31	26		57	18	2	29	54		0	9	5.98868		38
21	5	25	28	44		57	13	2	29	45		0	10	5.98906		38
22	5	26	25	57		57	5	2	29	35		0	12	5.98944		37
23	5	27	23	2		56	59	2	29	23		0	15	5.98981		38
24	5	28	20	1		56	55	2	29	8		0	17	5.99019		36
25	5	29	16	56		56	49	2	28	51		0	20	5.99055		37
26	6	0	13	45		56	42	2	28	31		0	22	5.99092		36
26	6	1	10	27		56	37	2	28	9		0	25	5.99128		35
28	6	2	7	4		56	32	2	27	44		0	26	5.99163		36
29	6	3	3	36		56	26	2	27	18		0	30	5.99199		35
30	6	4	0	2				2	26	48				5.99234		

## Tabula Kronometrica.

Tabula VI. Longitudinis mediz h

Anomaliz mediz Signa X.																
G	Longitudo h à * Y				Differentia Add.			Inclinatio S. D.			Differentia Sub.			Distantia à cur. Logarit.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	6	4	0	2	56	21		2	26	48	0	0	31	5.99234		34
1	6	4	56	23	56	16		2	26	17	0	0	34	5.99268		34
2	6	5	52	39	56	9		2	25	43	0	0	36	5.99302		34
3	6	6	48	48	56	5		2	25	7	0	0	38	5.99336		33
4	6	7	44	53	56	1		2	24	29	0	0	41	5.99369		33
5	6	8	40	54	55	54		2	23	48	0	0	42	5.99402		32
6	6	9	36	48	55	51		2	23	6	0	0	45	5.99434		32
7	6	10	32	39	55	45		2	22	21	0	0	47	5.99466		31
8	6	11	28	24	55	40		2	21	34	0	0	50	5.99497		31
9	6	12	24	4	55	35		2	20	44	0	0	51	5.99528		30
10	6	13	19	39	55	30		2	19	53	0	0	53	5.99558		30
11	6	14	15	9	55	27		2	19	0	0	0	56	5.99588		30
12	6	15	10	36	55	22		2	18	4	0	0	58	5.99618		29
13	6	16	5	58	55	18		2	17	6	I	0		5.99647		28
14	6	17	1	16	55	13		2	16	6	I	2		5.99675		28
15	6	17	56	29	55	9		2	15	4	I	4		5.99703		28
16	6	18	51	38	55	5		2	14	0	I	5		5.99731		26
17	6	19	46	43	55	0		2	12	55	I	8		5.99757		27
18	6	20	41	43	54	57		2	11	47	I	10		5.99784		26
19	6	21	36	40	54	54		2	10	37	I	12		5.99810		25
20	6	22	31	34	54	49		2	9	25	I	13		5.99835		25
21	6	23	26	23	54	45		2	8	12	I	16		5.99860		24
22	6	24	21	8	54	42		2	6	56	I	16		5.99884		24
23	6	25	15	50	54	39		2	5	40	I	20		5.99908		23
24	6	26	10	29	54	35		2	4	20	I	21		5.99931		22
25	6	27	5	4	54	30		2	2	59	I	22		5.99953		22
26	6	27	59	34	54	29		2	1	37	I	24		5.99975		22
27	6	28	54	3	54	25		2	0	13	I	27		5.99997		21
28	6	29	48	28	54	22		I	58	46	I	28		6.00018		20
29	7	0	42	50	54	20		I	57	18	I	29		6.00038		20
30	7	1	37	10	54			I	55	49				6.00058		

## Tabula Kronometrica.

## Tabula VI. Longitudinis mediarum

Anomaliarum mediarum Signa XI.

G	Longitudo $\frac{1}{2}$				Differencia		Inclinatio			Differencia			Distanria		Diff
	S	O	I	II	O	I	O	I	II	O	I	II	$\frac{1}{2}$ cur.	Ad.	
0	7	1	37	10	54	16	I	55	49	0	1	31	6.00058		19
1	7	2	31	26	54	13	I	54	18	0	1	33	6.00077		18
2	7	3	25	39	54	11	I	52	45	1	1	35	6.00095		18
3	7	4	19	50	54	8	I	51	10	1	1	35	6.00113		17
4	7	5	13	58	54	6	I	49	33	1	1	37	6.00130		17
5	7	6	8	4	54	3	I	47	58	1	1	40	6.00147		16
6	7	7	2	7	54	0	I	46	18	1	1	40	6.00163		16
7	7	7	56	7	53	59	I	44	38	1	1	42	6.00179		15
8	7	8	50	6	53	57	I	42	56	1	1	44	6.00194		14
9	7	9	44	3	53	54	I	41	12	1	1	45	6.00208		14
10	7	10	37	57	53	52	I	39	27	1	1	46	6.00222		13
11	7	11	31	49	53	51	I	37	41	1	1	48	6.00235		13
12	7	12	25	40	53	48	I	35	53	1	1	48	6.00247		12
13	7	13	19	28	53	46	I	34	5	1	1	51	6.00259		11
14	7	14	13	14	53	46	I	32	14	1	1	52	6.00270		10
15	7	15	7	0	53	44	I	30	22	1	1	53	6.00280		10
16	7	16	0	44	53	42	I	28	29	1	1	54	6.00290		9
17	7	16	54	26	53	42	I	26	35	1	1	55	6.00299		9
18	7	17	48	8	53	40	I	24	40	1	1	56	6.00308		8
19	7	18	41	48	53	39	I	22	44	1	1	58	6.00316		7
20	7	19	35	27	53	37	I	20	46	2	0	0	6.00323		7
21	7	20	29	4	53	37	I	18	46	2	0	0	6.00330		6
22	7	21	22	41	53	36	I	16	46	2	0	0	6.00336		5
23	7	22	16	17	53	35	I	14	46	2	2	2	6.00341		5
24	7	23	9	52	53	34	I	12	44	2	1	4	6.00346		4
25	7	24	3	26	53	34	I	10	40	2	4	4	6.00350		4
26	7	24	57	0	53	33	I	8	36	2	5	5	6.00354		2
27	7	25	50	33	53	34	I	6	31	2	6	6	6.00356		2
28	7	26	44	7	53	33	I	4	25	2	7	7	6.00358		2
29	7	27	37	40	53	33	I	2	18	2	8	8	6.00360		1
30	7	28	31	13	53	33	I	0	10				6.00361		

## Tabula Zeometrica.

Tabula VII. Epocharum  $\gamma$  ad hos annos.

Anni expansi.						Anni collecti.					
Anni Christi		Anomalia $\gamma$ .				Anni Christi		Anomalia $\gamma$ .			
Stilo Gregor.		S.	G.	M.	S.	Stilo Gregor.		S.	G.	M.	S.
R. millen.	1700	4	7	30	0		1705	9	9	13	38
	1800	9	12	22	31		1706	10	9	33	21
	1900	2	17	15	2		1707	11	9	53	5
	2000	7	22	12	32	B	1708	0	10	17	48
B	1	1	0	19	44		1709	1	10	37	32
	2	2	0	39	27		1710	2	10	57	15
	3	3	0	59	11	B	1711	3	11	16	59
	4	4	1	23	54		1712	4	11	41	42
B	5	5	1	43	38		1713	5	12	1	26
	6	6	2	3	21		1714	6	12	21	9
	7	7	2	23	5	B	1715	7	12	40	53
	8	8	2	47	48		1716	8	13	5	36
B	9	9	3	7	32		1717	9	13	25	20
	10	10	3	27	15		1718	10	13	45	3
	11	11	3	46	59	B	1719	11	14	4	47
	12	0	4	11	42		1720	0	14	29	30
B	13	1	4	31	26		1721	1	14	49	14
	14	2	4	51	9		1722	2	15	8	57
	15	3	5	10	53	B	1723	3	15	28	41
	16	4	5	35	36		1724	4	15	53	24
B	17	5	5	55	20		1725	5	16	13	8
	18	6	6	15	3		1726	6	16	32	51
	19	7	6	34	47	B	1727	7	16	52	35
	20	8	6	59	30		1728	8	17	17	18
B	40	4	13	59	0		1729	9	17	37	2
B	60	0	20	58	30		1730	10	17	56	45
B	80	8	27	58	0		1731	11	18	16	29
B	100	5	4	57	30	B	1732	0	18	41	12
B	200	10	9	55	0		1733	1	19	0	56
B	300	3	14	52	30		1734	2	19	20	39
B	400	8	19	50	0		1735	3	19	40	23
B	500	1	24	47	30	B	1736	4	20	5	6

## Tabulæ Zeometricæ.

Tabula VII. Epocharum 2 $\epsilon$  ad hos annos.

Anni Christi	Anni collecti Anomaliam 2 $\epsilon$					Anni Christi	Anni collecti Anomaliam 2 $\epsilon$			
	S.	G.	M.	S.			S.	G.	M.	S.
1737	5	20	24	50		1769	2	1	36	2
1738	6	20	44	33		1770	3	1	55	45
1739	7	21	4	17		1771	4	2	15	29
B 1740	8	21	29	0	B	1772	5	2	40	12
1741	9	21	48	44		1773	6	2	59	56
1742	10	22	8	27		1774	7	3	19	39
1743	11	22	28	11		1775	8	3	39	23
B 1744	0	22	52	54	B	1776	9	4	4	6
1745	1	23	12	38		1777	10	4	23	50
1746	2	23	32	21		1778	11	4	43	33
1747	3	23	52	5		1779	0	5	3	17
B 1748	4	24	16	48	B	1780	1	5	28	0
1749	5	24	36	32		1781	2	5	47	44
1750	6	24	56	15		1782	3	6	7	27
1751	7	25	15	59		1783	4	6	27	11
B 1752	8	25	40	42	B	1784	5	6	51	54
1753	9	26	0	26		1785	6	7	11	38
1754	10	26	20	9		1786	7	7	31	21
1755	11	26	39	53		1787	8	7	51	5
B 1756	0	27	4	36	B	1788	9	8	15	48
1757	1	27	24	20		1789	10	8	35	32
1758	2	27	44	3		1790	11	8	55	15
1759	3	28	3	47		1791	0	9	14	59
B 1760	4	28	28	30	B	1792	1	9	39	42
1761	5	28	48	14		1793	2	9	59	26
1762	6	29	7	57		1794	3	10	19	9
1763	7	29	27	41		1795	4	10	38	53
B 1764	8	29	52	24	B	1796	5	11	3	36
1765	10	0	12	8		1797	6	11	23	20
1766	11	0	31	51		1798	7	11	43	3
1767	0	0	51	35		1799	8	12	2	47
B 1768	1	1	16	18	B	1800	9	12	22	31

## Tabulæ Zeometricæ.

Tabula VIII.

Tabula IX.

Menses	Communes	Anomalia			H	Anom.			Anom.				
		Dies	G. M. S.			M	M. S. T.		M	S. T. Q.			
			G.	M.			S.	S.		T.	S.	T.	Q.
Menses	Anomalia	1	0	4	59								
Compleri	G. M. S.	2	0	9	58	1	0	12	31	6	26		
Januarius	2 34 33	3	0	14	57	2	0	25	32	6	39		
Februarius	4 54 9	4	0	19	57	3	0	37	33	6	51		
Martius	7 28 42	5	0	24	56	4	0	50	34	7	4		
Aprilis	9 58 16	6	0	20	55	5	1	2	35	7	16		
Majus	12 32 49	7	0	34	54	6	1	15	36	7	29		
Junius	15 2 23	8	0	39	53	7	1	27	37	7	41		
Julius	17 36 56	9	0	44	52	8	1	40	38	7	54		
Augustus	20 11 29	10	0	49	51	9	1	52	39	8	6		
September	22 41 3	11	0	54	50	10	2	5	40	8	19		
October	25 15 37	12	0	59	50	11	2	17	41	8	31		
November	27 45 11	13	1	4	49	12	2	30	42	8	43		
December	30 19 44	14	1	9	48	13	2	42	43	8	56		
Menses	Bissexiles	15	1	14	47	14	2	54	44	9	8		
Menses	Anomalia	16	1	19	46	15	3	7	45	9	21		
Compleri	G. M. S.	17	1	24	45	16	3	19	46	9	33		
Januarius	2 34 33	18	1	29	44	17	3	32	47	9	46		
Februarius	4 59 8	19	1	34	44	18	3	44	48	9	58		
Martius	7 33 41	20	1	39	43	19	3	57	49	10	11		
Aprilis	10 3 15	21	1	44	42	20	4	9	50	10	23		
Majus	12 37 48	22	1	49	41	21	4	22	51	10	36		
Junius	15 7 22	23	1	54	40	22	4	34	52	10	48		
Julius	17 41 55	24	1	59	39	23	4	47	53	11	1		
Augustus	20 16 28	25	2	4	38	24	4	59	54	11	13		
September	22 46 2	26	2	9	37	25	5	12	55	11	26		
October	25 20 36	27	2	14	37	26	5	24	56	11	38		
November	27 50 10	28	2	19	36	27	5	37	57	11	50		
December	30 24 43	29	2	24	35	28	5	49	58	12	3		
		30	2	29	34	29	6	1	59	12	15		
		31	2	34	33	30	6	14	60	12	28		



## Tabulæ Zeometricæ.

Tabula X. Longitudinis mediæ 24.

Anomaliz mediæ Signa. O.																
G	Longitudo 24 à * Y.				Differencia Add.			Inclinatio S. D.			Differencia Sub.			Diffantia à 0 cur. Logaric.		Diff Sub.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	5	9	50	2	54	34		1	19	58	0	0	2	5.73641		1
1	5	10	44	36	54	34		1	19	56	0	0	3	5.73640		0
2	5	11	39	10	54	34		1	19	53	0	0	5	5.73640		2
3	5	12	33	44	54	34		1	19	48	0	0	5	5.73638		2
4	5	13	28	18	54	34		1	19	43	0	0	7	5.73636		2
	5	14	22	53	54	35		1	19	36	0	0	9	5.73634		3
6	5	15	17	28	54	35		1	19	27	0	0	10	5.73631		4
7	5	16	12	4	54	36		1	19	17	0	0	11	5.73627		4
8	5	17	6	40	54	36		1	19	6	0	0	11	5.73623		4
9	5	18	1	17	54	37		1	18	55	0	0	13	5.73619		5
	5	18	55	55	54	38		1	18	42	0	0	15	5.73614		6
10	5	19	50	32	54	37		1	18	27	0	0	15	5.73608		7
11	5	20	45	11	54	39		1	18	12	0	0	17	5.73601		6
12	5	21	39	52	54	41		1	17	55	0	0	18	5.73595		8
13	5	22	34	33	54	41		1	17	37	0	0	19	5.73587		7
	5	23	29	15	54	42		1	17	18	0	0	20	5.73580		9
16	5	24	23	59	54	44		1	16	58	0	0	22	5.73571		9
17	5	25	18	44	54	45		1	16	36	0	0	22	5.73562		9
18	5	26	13	30	54	46		1	16	14	0	0	22	5.73553		9
19	5	27	8	18	54	48		1	15	50	0	0	24	5.73543		10
	5	28	3	8	54	50		1	15	25	0	0	25	5.73532		11
20	5	28	57	59	54	51		1	14	59	0	0	26	5.73521		11
21	5	29	52	52	54	53		1	14	31	0	0	28	5.73509		12
22	6	0	47	46	54	54		1	14	3	0	0	28	5.73497		12
23	6	1	42	42	54	56		1	13	23	0	0	30	5.73485		12
24	6	2	37	40	55	58		1	13	3	0	0	30	5.73471		14
25	6	3	32	41	55	1		1	12	31	0	0	32	5.73458		13
26	6	4	27	43	55	2		1	11	58	0	0	33	5.73444		14
27	6	5	22	47	55	4		1	11	24	0	0	34	5.73429		15
28	6	6	17	55	55	8		1	10	48	0	0	36	5.73414		15
29	6	7	13	4	55	9		1	10	11	0	0	37	5.73398		16

## Tabulæ Zeometricæ.

Tabula X. Longitudinis mediz  $\gamma$ .

Anomaliz mediz Signa I.																
G	Longitudo $\gamma$ à * Y				Differentia Add.			Inclinatio S. D.			Differentia Sub.			Distantia à $\odot$ cur.		Diff
	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarit.	Sub.	
0	6	7	13	4	0	55	11	1	10	11	0	0	37	5.73398		16
1	6	8	8	15		55	15	1	9	34		0	38	5.73382		17
2	6	9	3	30		55	16	1	8	56		0	40	5.73365		17
3	6	9	58	46		55	19	1	8	16		0	40	5.73348		18
4	6	10	54	5		55	23	1	7	36		0	42	5.73330		18
5	6	11	49	28		55	25	1	6	54		0	43	5.73312		19
6	6	12	44	53		55	27	1	6	11		0	44	5.73293		19
7	6	13	40	20		55	32	1	5	27		0	45	5.73274		19
8	6	14	35	52		55	34	1	4	42		0	46	5.73255		20
9	6	15	31	26		55	37	1	3	56		0	48	5.73235		21
10	6	16	27	3		55	40	1	3	8		0	48	5.73214		21
11	6	17	22	43		55	43	1	2	20		0	49	5.73193		22
12	6	18	18	26		55	48	1	1	31		0	50	5.73171		22
13	6	19	14	14		55	50	1	0	41		0	52	5.73149		22
14	6	20	10	4		55	54	0	59	49		0	52	5.73127		23
15	6	21	5	58		55	57	0	58	57		0	53	5.73104		23
16	6	22	1	55		56	1	0	58	4		0	54	5.73081		24
17	6	22	57	56		56	5	0	57	10		0	55	5.73057		24
18	6	23	54	1		56	8	0	56	15		0	56	5.73033		25
19	6	24	50	9		56	13	0	55	19		0	58	5.73008		25
20	6	25	46	22		56	16	0	54	21		0	58	5.72983		25
21	6	26	42	38		56	19	0	53	23		0	59	5.72958		26
22	6	27	38	57		56	24	0	52	24		0	59	5.72932		26
23	6	28	35	21		56	29	0	51	25		I	1	5.72906		27
24	6	29	31	50		56	33	0	50	24		I	3	5.72879		27
25	7	0	28	23		56	37	0	49	21		I	3	5.72852		28
26	7	1	25	0		56	41	0	48	18		I	3	5.72824		28
27	7	2	21	41		56	45	0	47	15		I	4	5.72796		28
28	7	3	18	26		56	51	0	46	11		I	5	5.72768		28
29	7	4	15	17		56	53	0	45	6		I	7	5.72740		29
30	7	5	12	10				0	43	59				5.72711		

## Tabula Zeometrica.

Tabula X: Longitudinis mediae  $\gamma$ .

Anomaliz mediæ Signa II.																
Longitudo $\gamma$ à * Y					Differentia Add.			Inclinatio S. D.			Differentia Sub.			Distanza à $\odot$ cur. Logarit.		Diff
G	S	O	I	II	O	I	II	O	I	II	O	I	II			Sub.
0	7	5	12	10	0	57	0	0	43	59	0	1	6	5.72711		30
1	7	6	9	10		57	4	0	42	53		1	8	5.72681		29
2	7	7	6	14		57	8	0	41	45		1	8	5.72652		30
3	7	8	3	22		57	14	0	40	37		1	9	5.72622		31
4	7	9	0	36		57	18	0	39	28		1	10	5.72591		30
5	7	9	57	54		57	22	0	38	18		1	11	5.72561		31
6	7	10	55	16		57	27	0	37	7		1	11	5.72530		32
7	7	11	52	43		57	34	0	35	56		1	12	5.72498		31
8	7	12	50	17		57	39	0	34	44		1	13	5.72467		32
9	7	13	47	56		57	43	0	33	31		1	14	5.72435		32
10	7	14	45	39		57	49	0	32	17		1	14	5.72403		33
11	7	15	43	28		57	53	0	31	3		1	15	5.72370		33
12	7	16	41	21		57	58	0	29	48		1	15	5.72337		33
13	7	17	39	19		58	4	0	28	33		1	15	5.72304		33
14	7	18	37	23		58	9	0	27	18		1	17	5.72271		34
15	7	19	35	32		58	16	0	26	1		1	18	5.72237		33
16	7	20	33	48		58	20	0	24	43		1	17	5.72204		34
17	7	21	32	8		58	26	0	23	26		1	18	5.72170		35
18	7	22	30	34		58	32	0	22	8		1	19	5.72135		34
19	7	23	29	6		58	37	0	20	49		1	19	5.72101		35
20	7	24	27	43		58	43	0	19	30		1	20	5.72066		35
21	7	25	26	26		58	48	0	18	10		1	20	5.72031		35
22	7	26	25	14		58	55	0	16	50		1	21	5.71996		35
23	7	27	24	9		59	0	0	15	29		1	21	5.71961		35
24	7	28	23	9		59	5	0	14	8		1	21	5.71926		36
25	7	29	22	14		59	12	0	12	47		1	22	5.71890		36
26	8	0	21	26		59	17	0	11	25		1	22	5.71854		36
27	8	1	20	43		59	24	0	10	3		1	22	5.71818		36
28	8	2	20	17		59	29	0	8	41		1	23	5.71782		36
29	8	3	19	36		59	35	0	7	18		1	23	5.71746		36
30	8	4	19	11				0	5	55				5.71710		

## Tabulae Zeometricae.

Tabula X. Longitudinis mediz 24.

Anomaliz mediz Signa III.																
G	Longitudo 24 à * Y				Differentia Add.			Inclinatio S. D.			Differentia Sub.			Distantia à cur. Logarit.		Diff. Sub.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	8	4	19	11	0	59	41	0	5	55	0	I	23	5.71710		36
1	8	5	18	52		59	47	0	4	32		I	23	5.71674		37
2	8	6	18	39		59	53	0	3	9		I	23	5.71637		36
3	8	7	18	32	I	0	0	0	1	46		I	24	5.71601		37
4	8	8	18	32		0	5	0	0	22		I Ad.	24	5.71564		36
5	8	9	18	37		0	12	0	1	2		I	24	5.71528		37
6	8	10	18	49		0	17	0	2	26		I	24	5.71491		36
7	8	11	19	6		0	24	0	3	50		I	25	5.71455		37
8	8	12	19	30		0	30	0	5	15		I	24	5.71418		37
9	8	13	20	0		0	36	0	6	39		I	24	5.71381		37
10	8	14	20	36		0	42	0	8	3		I	24	5.71344		36
11	8	15	21	18		0	48	0	9	27		I	25	5.71308		37
12	8	16	22	6		0	55	0	10	52		I	24	5.71271		37
13	8	17	23	1		I	1	0	12	16		I	24	5.71234		36
14	8	18	24	2		I	7	0	13	40		I	24	5.71198		37
15	8	19	25	9		I	13	0	15	4		I	24	5.71161		36
16	8	20	26	22		I	19	0	16	28		I	23	5.71125		37
17	8	21	27	41		I	25	0	17	51		I	23	5.71088		36
18	8	22	29	6		I	32	0	19	14		I	23	5.71052		36
19	8	23	30	38		I	37	0	20	37		I	23	5.71016		36
20	8	24	32	15		I	45	0	22	0		I	23	5.70980		36
21	8	25	34	0		I	50	0	23	23		I	22	5.70944		36
22	8	26	35	50		1	56	0	24	45		I	23	5.70908		35
23	8	27	37	46		2	2	0	26	8		I	21	5.70873		36
24	8	28	39	48		2	8	0	27	29		I	21	5.70837		35
25	8	29	41	56		2	15	0	28	50		I	21	5.70802		35
26	9	0	44	11		2	20	0	30	11		I	20	5.70767		35
27	9	1	46	31		2	27	0	31	31		I	20	5.70732		35
28	9	2	48	58		2	32	0	32	51		I	19	5.70697		34
29	9	3	51	30		2	39	0	34	10		I	19	5.70663		34
30	9	4	54	9				0	35	29				5.70629		

## Tabulæ Zeometricæ.

Tabula X. Longitudinis mediz ♄:

Anomaliz mediz Signa IV.																
G	Longitudo ♄ à * ♄				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ♄ cur. Logarit.		Diff Sub.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	9	4	54	9	1	2	44	0	35	29	0	1	19	5.70629		
1	9	5	56	53		2	50	0	36	48		1	17	5.70595		34
2	9	6	59	43		2	56	0	38	5		1	17	5.70561		34
3	9	8	2	39		3	1	0	39	22		1	16	5.70528		33
4	9	9	5	40	3	8		0	40	38	1	16		5.70495		33
5	9	10	8	48	3	13		0	41	54		14		5.70462		33
6	9	11	12	1	3	18		0	43	8		14		5.70430		32
7	9	12	15	19	3	25		0	44	22		13		5.70398		32
8	9	13	18	44	3	30		0	45	35	1	13		5.70366		32
9	9	14	22	14	3	35		0	46	48		12		5.70334		31
10	9	15	25	49	3	41		0	48	0		10		5.70303		30
11	9	16	29	30	3	46		0	49	10		10		5.70273		31
12	9	17	33	16	3	51		0	50	20	1	9		5.70242		29
13	9	18	37	7	3	57		0	51	29		7		5.70213		30
14	9	19	41	4	4	2		0	52	36		7		5.70183		29
15	9	20	45	6	4	7		0	53	43		6		5.70154		28
16	9	21	49	13	4	11		0	54	49	1	5		5.70126		29
17	9	22	53	24	4	17		0	55	54		3		5.70097		27
18	9	23	57	41	4	22		0	56	57		3		5.70070		27
19	9	25	2	3	4	26		0	58	0		1		5.70043		27
20	9	26	6	29	4	32		0	59	1	1	1		5.70016		26
21	9	27	11	1	4	36		1	0	2		0		5.69990		26
22	9	28	15	37	4	40		1	1	2		0	56	5.69964		25
23	9	29	20	17	4	45		1	1	58		56		5.69939		24
24	10	0	25	2	4	50		1	2	54	0	56		5.69913		25
25	10	1	29	52	4	53		1	3	50		54		5.69890		23
26	10	2	34	45	4	56		1	4	44		52		5.69867		23
27	10	3	39	41	5	3		1	5	36		51		5.69844		22
28	10	4	44	44	5	5		1	6	27	0	51		5.69822		22
29	10	5	49	49	5	9		1	7	18		48		5.69800		21
30	10	6	54	58				1	8	6				5.69779		

## Tabulæ Zeometricæ.

Tabula X. Longitudinis mediæ &amp;.

Anomaliz mediæ Signa V.																
G	Longitudo à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ☉ cur.		Diff. Sub.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.		
0	10	6	54	58	I	5	14	I	8	6	0	0	47	5.69779	21	
1	10	8	0	12		5	16	I	8	53		0	45	5.69758	20	
2	10	9	5	28		5	21	I	9	38		0	45	5.69738	19	
3	10	10	10	49		5	24	I	10	23		0	42	5.69719	19	
4	10	11	16	13		5	26	I	11	5		0	41	5.69700	18	
5	10	12	21	39		5	31	I	11	46		0	40	5.69682	18	
6	10	13	27	10		5	34	I	12	26		0	38	5.69664	17	
7	10	14	32	44		5	35	I	13	4		0	36	5.69647	16	
8	10	15	38	19		5	40	I	13	40		0	35	5.69631	15	
9	10	16	43	59		5	42	I	14	15		0	34	5.69616	15	
10	10	17	49	41	5	45	I	14	49	0	32	5.69601	14			
11	10	18	55	26	5	47	I	15	21	0	30	5.69587	14			
12	10	20	1	13	5	49	I	15	51	0	28	5.69573	12			
13	10	21	7	2	5	51	I	16	19	0	26	5.69561	12			
14	10	22	12	53	5	54	I	16	45	0	25	5.69549	12			
15	10	23	18	47	5	56	I	17	10	0	24	5.69537	10			
16	10	24	24	43	5	58	I	17	34	0	22	5.69527	10			
17	10	25	30	41	6	0	I	17	56	0	20	5.69517	10			
18	10	26	36	41	6	1	I	18	16	0	18	5.69507	8			
19	10	27	42	42	6	2	I	18	34	0	16	5.69499	8			
20	10	28	48	44	6	4	I	18	50	0	15	5.69491	7			
21	10	29	54	48	6	5	I	19	5	0	13	5.69484	6			
22	11	1	0	53	6	6	I	19	18	0	11	5.69478	6			
23	11	2	6	59	6	7	I	19	29	0	10	5.69472	4			
24	11	3	13	6	6	8	I	19	39	0	8	5.69468	5			
25	11	4	19	14	6	9	I	19	47	0	5	5.69463	3			
26	11	5	25	23	6	10	I	19	52	0	4	5.69460	3			
27	11	6	31	33	6	9	I	19	56	0	3	5.69457	2			
28	11	7	37	42	6	10	I	19	59	0	1	5.69455	1			
29	11	8	43	52	6	10	I	20	0	0	Sub.	2	5.69454	0		
30	11	9	50	2			I	19	58				5.69454			

## Tabulæ Zeometricæ.

Tabula X; Longitudinis mediæ 2.

Anomaliz mediæ Signa VI.																
G	Longitudo 2 à * Y				Differencia Add.			Inclinatio M. A.			Differencia Sub.			Distantia à cur. Logarit.		Diff. Ad.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	II	9	50	2				I	19	58				5.69454		I
1	II	10	56	12	I	6	10		19	55	0	0	3	5.69455		I
2	II	12	2	22		6	10		19	51		0	4	5.69456		2
3	II	13	8	31		6	9		19	45		0	6	5.69458		2
4	II	14	14	40		6	9		19	37		0	8	5.69460		2
5	II	15	20	49		6	9		19	26		0	11	5.69464		4
6	II	16	26	57		6	8		19	14		0	12	5.69468		4
7	II	17	33	4		6	7		19	1		0	13	5.69473		5
8	II	18	39	10		6	6		18	46		0	15	5.69478		5
9	II	19	45	15		6	5		18	29		0	17	5.69484		6
10	II	20	51	19		6	4		18	10		0	19	5.69491		7
11	II	21	57	21		6	2		17	49		0	21	5.69499		8
12	II	23	3	22		6	1		17	27		0	22	5.69508		9
13	II	24	9	22		6	0		17	3		0	24	5.69517		9
14	II	25	15	20		5	58		16	37		0	26	5.69527		10
15	II	26	21	15		5	55		16	19		0	27	5.69538		11
16	II	27	27	9		5	54		15	42		0	28	5.69549		11
17	II	28	33	0		5	51		15	12		0	30	5.69561		12
18	II	29	38	50		5	50		14	39		0	33	5.69574		13
19	0	0	44	37		5	47		14	4		0	35	5.69587		13
20	0	1	50	22		5	45		13	29		0	35	5.69602		15
21	0	2	56	3		5	41		12	52		0	37	5.69616		14
22	0	4	1	43		5	40		12	13		0	39	5.69632		16
23	0	5	7	18		5	35		11	33		0	40	5.69648		16
24	0	6	12	52		5	34		11	33		0	41	5.69665		17
25	0	7	18	23		5	31		10	52		0	43	5.69682		17
26	0	8	23	49		5	26		10	9		0	45	5.69701		19
27	0	9	29	13		5	24		9	24		0	47	5.69719		18
28	0	10	34	33		5	20		8	37		0	47	5.69739		20
29	0	11	39	50		5	17		7	50		0	49	5.69759		20
30	0	12	45	3		5	13		7	1		0	51	5.69779		20

## Tabulæ Zeometricæ.

Tabula X. Longitudinis mediæ 24.

Anomaliz mediæ Signa VII.																
		Longitudo ½ à * 24			Differentia Add.			Inclinatio M. A.			Differentia Sub.			Distantia à ☉ cur.		Diff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.	Ad.	
0	0	12	45	3	I	5	9	I	6	10	0	0	51	5.69779	22	
1	0	13	50	12		5	6	I	5	19	0	0	53	5.69801	21	
2	0	14	55	18		5	2	I	4	26	0	0	54	5.69822	23	
3	0	16	0	20		4	56	I	3	32	0	0	56	5.69845	23	
4	0	17	5	16		4	53	I	2	36	0	0	58	5.69868	23	
5	0	18	10	9		4	50	I	1	38	0	0	58	5.69891	24	
6	0	19	14	59		4	45	I	0	40	I	0	0	5.69915	25	
7	0	20	19	44		4	40	0	59	40	I	1	1	5.69940	25	
8	0	21	24	24		4	35	0	58	39	I	1	1	5.69965	26	
9	0	22	28	59		4	32	0	57	38	I	3	3	5.69991	26	
10	0	23	33	31		4	26	0	56	35	I	4	4	5.70017	27	
11	0	24	37	57		4	22	0	55	31	I	6	6	5.70044	27	
12	0	25	42	19		4	17	0	54	25	I	6	6	5.70071	27	
13	0	26	46	36		4	10	0	53	19	I	8	8	5.70098	28	
14	0	27	50	46		4	7	0	52	11	I	8	8	5.70126	29	
15	0	28	54	53		4	2	0	51	3	I	9	9	5.70155	29	
16	0	29	58	55		3	57	0	49	54	I	11	11	5.70184	29	
17	I	1	2	52		3	51	0	48	43	I	11	11	5.70213	30	
18	I	2	6	43		3	46	0	47	32	I	12	12	5.70243	31	
19	I	3	10	29		3	41	0	46	20	I	13	13	5.70274	30	
20	I	4	14	10		3	35	0	45	7	I	14	14	5.70304	31	
21	I	5	17	45		3	30	0	43	53	I	14	14	5.70335	32	
22	I	6	21	15		3	25	0	42	39	I	16	16	5.70367	31	
23	I	7	24	40		3	18	0	41	23	I	16	16	5.70398	32	
24	I	8	27	58		3	12	0	40	7	I	17	17	5.70430	33	
25	I	9	31	10		3	7	0	38	50	I	17	17	5.70463	32	
26	I	10	34	17		3	2	0	37	33	I	18	18	5.70495	33	
27	I	11	37	19		2	55	0	36	15	I	19	19	5.70528	34	
28	I	12	40	14		2	51	0	34	56	I	19	19	5.70562	33	
29	I	13	43	5		2	44	0	33	37	I	20	20	5.70595	34	
30	I	14	45	49				0	32	17				5.70629		



## Tabulæ Zeometricæ.

Tabula X. Longitudinis mediæ 24:

Anomaliz mediæ Signa VIII.																
Longitudo 24 à * Y					Differencia Add.			Inclinatio M. A.			Differencia Sub.			Distantia à cur. Logarit.		Diff Ad.
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	I	14	45	49	I	2	39	0	32	17	0	I	20	5.70629		34
1	I	15	48	28		2	32	0	30	57	I	21		5.70663		35
2	I	16	51	0		2	26	0	29	36	I	22		5.70698		34
3	I	17	53	26		2	20	0	28	14	I	21		5.70732		35
4	I	18	55	46		2	14	0	26	53	I	22		5.70767		35
5	I	19	58	0		2	9	0	25	31	I	23		5.70802		36
6	I	21	0	9		2	2	0	24	8	I	23		5.70838		35
7	I	22	2	11	I	1	56	0	22	45	I	23		5.70873		36
8	I	23	4	7	I	1	50	0	21	22	I	23		5.70909		35
9	I	24	5	57	I	1	44	0	19	59	I	23		5.70944		36
10	I	25	7	41	I	1	37	0	18	36	I	24		5.70982		36
11	I	26	9	18	I	1	33	0	17	12	I	24		5.71018		36
12	I	27	10	51	I	1	25	0	15	48	I	25		5.71052		36
13	I	28	12	16	I	1	19	0	14	23	I	24		5.71088		37
14	I	29	13	35	I	1	13	0	12	59	I	24		5.71125		36
15	2	0	14	48	I	1	7	0	11	35	I	25		5.71161		37
16	2	1	15	55	I	1	1	0	10	10	I	24		5.71198		36
17	2	2	16	56	0	0	55	0	8	46	I	25		5.71234		37
18	2	3	17	51	0	0	48	0	7	21	I	25		5.71271		37
19	2	4	18	39	0	0	42	0	5	56	I	24		5.71308		36
20	2	5	19	21	0	0	36	0	4	32	I	25		5.71344		37
21	2	6	19	57	0	0	30	0	3	7	I	24		5.71381		37
22	2	7	20	27	0	0	24	0	1	43	I	24		5.71418		37
23	2	8	20	51	0	0	17	0	0	18	I Ad. 25			5.71455		37
24	2	9	21	8	0	0	12	0	1	6	I	24		5.71491		36
25	2	10	21	20	0	0	5	0	2	30	I	24		5.71528		37
26	2	11	21	25	0	0	0	0	3	54	I	23		5.71564		36
27	2	12	21	25	0	59	53	0	5	17	I	24		5.71601		37
28	2	13	21	18	0	59	47	0	6	41	I	23		5.71637		36
29	2	14	21	5	0	59	41	0	8	4	I	23		5.71674		37
30	2	15	20	46				0	9	27				5.71710		36

## Tabulæ Zeometricæ.

Tabula X. Longitudinis mediæ 2:

Anomaliz mediæ Signa IX.																
G	Longitudo 2 à * Y				Differentia Add.			Inclinatio S. A.			Differentia Add.			Distantia à cur.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II	Loga:it.		
0	2	15	20	46	0	59	35	0	9	27	0	I	22	5.71710	36	
1	2	16	20	21		59	29	0	10	49		I	22	5.71746	36	
2	2	17	19	50		59	24	0	12	11		I	22	5.71782	36	
3	2	18	19	14		59	17	0	13	33		I	22	5.71818	36	
4	2	19	18	31		59	13	0	14	55		I	21	5.71854	36	
5	2	20	17	44		59	5	0	16	16		I	20	5.71890	35	
6	2	21	16	49		59	0	0	17	36		I	20	5.71925	36	
7	2	22	15	49		58	54	0	18	56		I	20	5.71961	35	
8	2	23	14	43		58	48	0	20	16		I	19	5.71996	35	
9	2	24	13	31		58	43	0	21	35		I	19	5.72031	35	
10	2	25	12	14		58	38	0	22	54		I	18	5.72066	35	
11	2	26	10	52		58	31	0	24	12		I	18	5.72101	34	
12	2	27	9	23		58	26	0	25	30		I	17	5.72135	34	
13	2	28	7	49		58	20	0	26	47		I	17	5.72169	34	
14	2	29	6	9		58	15	0	28	4		I	15	5.72203	34	
15	3	0	4	24		58	10	0	29	19		I	15	5.72237	33	
16	3	1	2	34		58	4	0	30	34		I	15	5.72270	34	
17	3	2	0	38		57	59	0	31	49		I	14	5.72304	33	
18	3	2	58	37		57	53	0	33	3		I	14	5.72337	32	
19	3	3	56	30		57	49	0	34	17		I	12	5.72369	33	
20	3	4	54	19		57	43	0	35	29		I	12	5.72402	32	
21	3	5	52	2		57	38	0	36	41		I	12	5.72434	32	
22	3	6	49	40		57	33	0	37	53		I	10	5.72466	32	
23	3	7	47	13		57	28	0	39	3		I	10	5.72498	31	
24	3	8	44	41		57	23	0	40	13		I	9	5.72529	31	
25	3	9	42	4		57	19	0	41	22		I	8	5.72560	31	
26	3	10	39	23		57	13	0	42	30		I	7	5.72591	30	
27	3	11	36	36		57	9	0	43	37		I	7	5.72621	30	
28	3	12	33	45		57	4	0	44	44		I	5	5.72651	30	
29	3	13	30	49		57	0	0	45	49		I	5	5.72681	29	
30	3	14	27	49				0	46	54				5.72710		

Tabulæ Zeometricæ.

Tabula X. Longitudinis mediarum 24:

Anomalie mediz Signa X.																
Longitudo $\gamma$ 2 * Y					Differentia Add.			Inclinatio S. A.			Differentia Add.			Distanria cur. Logar.		Di ff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	o	l	Ad.
0	3	14	27	49	0	56	53	0	46	54	0	1	4	5:72710		29
1	3	15	24	42		56	51	0	47	58		1	3	5:72739		29
2	3	16	21	33		56	45	0	49	1		1	3	5:72768		28
3	3	17	18	18		56	42	0	50	4		1	1	5:72796		28
4	3	18	15	0		56	36	0	51	5		1	0	5:72824		27
5	3	19	11	36		56	33	0	52	5		1	0	5:72851		27
6	3	20	8	9		56	29	0	53	5		0	59	5:72878		27
7	3	21	4	38		56	24	0	54	4		0	57	5:72905		26
8	3	22	1	2		56	20	0	55	1		0	57	5:72931		26
9	3	22	57	22		56	16	0	55	58		0	55	5:72957		25
10	3	23	53	38		56	13	0	56	53		0	55	5:72982		25
11	3	24	49	51		56	8	0	57	48		0	53	5:73007		25
12	3	25	45	59		56	5	0	58	41		0	54	5:73032		24
13	3	26	42	4		56	2	0	59	35		0	52	5:73056		24
14	3	27	38	6		55	57	1	0	27		0	50	5:73080		23
15	3	28	34	3		55	54	1	1	17		0	49	5:73103		23
16	3	29	29	57		55	50	1	2	6		0	49	5:73126		23
17	4	0	25	47		55	47	1	2	55		0	48	5:73149		22
18	4	1	21	34		55	44	1	3	43		0	47	5:73171		21
19	4	2	17	18		55	40	1	4	30		0	45	5:73192		21
20	4	3	12	58		55	37	1	5	15		0	44	5:73213		21
21	4	4	8	35		55	35	1	5	59		0	44	5:73234		20
22	4	5	4	10		55	31	1	6	43		0	42	5:73254		19
23	4	5	59	41		55	27	1	7	25		0	41	5:73273		20
24	4	6	55	8		55	26	1	8	6		0	40	5:73293		18
25	4	7	50	34		55	22	1	8	46		0	39	5:73311		18
26	4	8	45	56		55	20	1	9	25		0	38	5:73329		18
27	4	9	41	16		55	17	1	10	3		0	37	5:73347		18
28	4	10	36	33		55	14	1	10	40		0	36	5:73365		16
29	4	11	31	47		55	11	1	11	16		0	34	5:73381		16
30	4	12	26	58				1	11	50				5:73397		

### Table Zeometrical.

Tabula X. Longitudinis mediz 24:

G	Longitudo 2 <sup>a</sup> à * Y				Differentia Add.			Inclinatio S. A.			Differentia Add.			Diffantia à cur. Logarit.		Diff. Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	4	12	26	58	0	55	9	1	11	50	0	0	33	5.73397	16	
1	4	13	22	7		55	7	1	12	23		0	32	5.73413	15	
2	4	14	17	14		55	5	1	12	55		0	31	5.73428	15	
3	4	15	12	19		55	2	1	13	26		0	30	5.73443	14	
4	4	16	7	21		54	59	1	13	56		0	29	5.73457	14	
5	4	17	2	22		54	58	1	14	25		0	28	5.73471	13	
6	4	17	57	20		54	57	1	14	53		0	27	5.73484	13	
7	4	18	52	17		54	55	1	15	20		0	25	5.73497	12	
8	4	19	47	12		54	52	1	15	45		0	23	5.73509	12	
9	4	20	42	4		54	51	1	16	8		0	23	5.73521	11	
10	4	21	36	55		54	50	1	16	31		0	22	5.73532	10	
11	4	22	31	45		54	48	1	16	53		0	20	5.73542	10	
12	4	23	26	33		54	46	1	17	13		0	20	5.73552	10	
13	4	24	21	19		54	45	1	17	33		0	18	5.73562	9	
14	4	25	16	4		54	44	1	17	51		0	17	5.73571	9	
15	4	26	10	48		54	42	1	18	8		0	16	5.73579	9	
16	4	27	5	30		54	41	1	18	24		0	15	5.73587	8	
17	4	28	0	11		54	41	1	18	39		0	13	5.73594	7	
18	4	28	54	52		54	39	1	18	52		0	12	5.73601	7	
19	4	29	49	31		54	38	1	19	4		0	11	5.73607	6	
20	5	0	44	9		54	38	1	19	15		0	10	5.73613	6	
21	5	1	38	47		54	37	1	19	25		0	9	5.73618	5	
22	5	2	33	24		54	36	1	19	34		0	7	5.73623	5	
23	5	3	28	0		54	35	1	19	41		0	6	5.73627	4	
24	5	4	22	35		54	35	1	19	47		0	5	5.73631	4	
25	5	5	17	10		54	35	1	19	52		0	4	5.73634	3	
26	5	6	11	45		54	35	1	19	56		0	2	5.73636	2	
26	5	7	6	20		54	35	1	19	58		0	2	5.73638	2	
28	5	8	0	54		54	34	1	19	D 59		0	1	5.73639	1	
29	5	8	55	28		54	34	1	20	0		0	Sub. 2	5.73640	1	
30	5	9	50	2		54	34	1	19	58				5.73641	1	

## Tabulæ Arometricæ.

Tabula XI. Epecharum  $\sigma$  ad hos annos.

Anni expansi.					Anni collecti.						
Anni Christi		Anomalia $\sigma$				Anni Christi		Anomalia $\sigma$			
Stilo Gregor.		S.	G.	M.	S.	Stilo Gregor.		S.	G.	M.	S.
B. millen.	1700	7	2	34	0		1705	2	29	27	14
	1800	9	2	24	33		1706	9	10	43	36
	1900	11	2	15	6		1707	3	21	59	58
	2000	1	2	37	6	B	1708	10	3	47	46
	1	6	11	16	22		1709	4	15	4	7
	2	0	22	32	43		1710	10	26	20	29
	3	7	3	49	5		1711	5	7	36	50
B	4	1	15	36	33	B	1712	11	19	24	38
	5	7	26	53	14		1713	6	0	41	0
	6	2	8	9	36		1714	0	11	57	22
	7	8	19	25	58		1715	6	23	13	43
B	8	3	1	13	46	B	1716	1	5	1	31
	9	9	12	30	7		1717	7	16	17	52
	10	3	23	46	29		1718	1	27	34	14
	11	10	5	2	50		1719	8	8	50	36
B	12	4	16	50	38	B	1720	2	20	38	24
	13	10	28	7	0		1721	9	1	54	46
	14	5	9	23	22		1722	3	13	11	7
	15	11	20	39	43		1723	9	24	27	29
B	16	6	2	27	31	B	1724	4	6	15	17
	17	0	13	43	52		1725	10	17	31	38
	18	6	25	0	14		1726	4	28	48	0
	19	1	6	16	36		1727	11	10	4	22
B	20	7	18	4	24	B	1728	5	21	52	10
	40	3	6	8	48		1729	0	3	8	31
B	60	10	24	13	12		1730	6	14	24	53
B	80	6	12	17	36		1731	0	25	41	14
B	100	2	0	22	0	B	1732	7	7	29	2
	200	4	0	44	0		1733	1	18	45	24
B	300	6	1	6	0		1734	8	0	1	46
B	400	8	1	28	0		1735	2	11	18	7
B	500	10	1	50	0	B	1736	18	23	5	55

## Tabulæ Arometricæ.

Tabula XL. Epocharum ☿ ad hos annos.

Anni Christi	Anni collecti			
	Anomalia ☿			
	S.	G.	M.	S.
1737	3	4	22	16
1738	9	15	38	38
1739	3	26	55	0
B 1740	10	8	42	48
1741	4	19	59	10
1742	11	1	15	31
1743	5	12	31	53
B 1744	11	24	19	41
1745	6	5	36	2
1746	0	16	52	24
1747	6	28	8	46
B 1748	1	9	56	34
1749	7	21	12	55
1750	2	2	29	17
1751	8	13	45	38
B 1752	2	25	33	26
1753	9	6	49	48
1754	3	18	6	10
1755	9	29	22	31
B 1756	4	11	10	19
1757	10	22	26	40
1758	5	3	43	2
1759	11	14	59	24
B 1760	5	26	47	12
1761	0	8	3	34
1762	6	19	19	55
1763	1	0	36	17
B 1764	7	12	24	5
1765	1	23	40	26
1766	8	4	56	48
1767	2	16	13	10
B 1768	8	28	0	58

Anni Christi	Anni collecti			
	Anomalia ☿			
	S.	G.	M.	S.
1769	3	9	17	19
1770	9	20	33	41
1771	4	1	50	2
B 1772	10	13	37	50
1773	4	24	54	12
1774	11	6	10	34
1775	5	17	26	55
B 1776	11	29	14	43
1777	6	10	31	4
1778	0	21	47	26
1779	7	3	3	48
B 1780	1	14	51	36
1781	7	26	7	58
1782	2	7	24	19
1783	8	18	40	41
B 1784	3	0	28	29
1785	9	11	44	50
1786	3	23	1	12
1787	10	4	17	34
B 1788	4	16	5	22
1789	10	27	21	43
1790	5	8	38	5
1791	11	19	54	26
B 1792	6	1	42	14
1793	0	12	58	36
1794	6	24	14	58
1795	1	5	31	19
B 1796	7	17	19	7
1797	1	28	35	28
1798	8	9	51	50
1799	2	21	8	12
1800	9	2	24	33

## Tabula Arometrica.

Tabula XII.

Tabula XIII.

Menses	Communes	Dies	Anomalía			H	Anom.			M	Anom.		
			G.	M.	S.		M.	S.	T.		M.	S.	T.
Menses	Anomalía	1	0	31	27	M	S.	T.	S.	S.	T.	Q.	
Compleri	S. G. M. S.	2	1	2	53	1	1	19	31	0	40	37	
Januarius	0 16 14 42	3	1	34	20	2	2	37	32	0	41	55	
Februarius	1 0 55 5	4	2	5	46	3	3	56	33	0	43	14	
Martius	1 17 9 47	5	2	37	13	4	5	14	34	0	44	33	
Aprilis	2 2 55 3	6	3	8	39	5	6	33	35	0	45	51	
Majus	2 19 7 45	7	3	40	6	6	7	52	36	0	47	10	
Junius	3 4 51 1	8	4	11	32	7	9	10	37	0	48	28	
Julius	3 21 5 43	9	4	42	59	8	10	29	38	0	49	47	
Augustus	4 7 20 26	10	5	14	25	9	11	47	39	0	51	6	
September	4 23 3 41	11	5	45	52	10	13	6	40	0	52	24	
October	5 9 18 24	12	6	17	18	11	14	25	41	0	53	43	
Novemb.	5 25 1 39	13	6	48	45	12	15	43	42	0	55	1	
December	6 11 16 22	14	7	20	11	13	17	2	43	0	56	20	
Menses	Bissextiles	15	7	51	38	14	18	20	44	0	57	39	
Menses	Anomalía	16	8	23	4	15	19	39	45	0	58	57	
Compleri	S. G. M. S.	17	8	54	31	16	20	58	46	1	0	16	
Januarius	0 16 14 42	18	9	25	57	17	22	16	47	1	1	34	
Februarius	1 1 26 32	19	9	57	24	18	23	35	48	1	2	53	
Martius	1 17 41 14	20	10	28	50	19	24	53	49	1	4	12	
Aprilis	2 3 24 30	21	11	0	17	20	26	12	50	1	5	30	
Majus	2 19 39 12	22	11	31	44	21	27	31	51	1	6	49	
Junius	3 5 22 28	23	12	3	10	22	28	49	52	1	8	7	
Julius	3 21 37 10	24	12	34	37	23	30	8	53	1	9	26	
Augustus	4 7 51 53	25	13	6	3	24	31	27	54	1	10	45	
September	4 23 35 8	26	13	37	30	25	32	45	55	1	12	3	
October	5 9 49 51	27	14	8	56	26	34	4	56	1	13	22	
Novemb.	5 25 33 6	28	14	40	23	27	35	22	57	1	14	40	
December	6 11 47 49	29	15	11	49	28	36	41	58	1	15	59	
		30	15	43	16	29	38	0	59	1	17	18	
		31	16	14	42	30	39	18	60	1	18	36	

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediæ  $\sigma$ 

Anomaliz mediæ Signa O.																
G	Longitudo $\sigma$ à * Y				Differencia Add.			Inclinatio S. D.			Differencia Sub.			Distantia à $\sigma$ cur.		Diff Sub.
	S.	G.	M.	S.	G.	M.	S.	G.	M.	S.	G.	M.	S.	Logarit.		
0	4	1	12	22	0	50	5	1	48	44	0	0	25	5.22111	0	
1	4	2	2	27	0	50	5	1	48	19	0	0	25	5.22111	1	
2	4	2	52	32	0	50	5	1	47	54	0	0	27	5.22110	2	
3	4	3	42	37	0	50	5	1	47	27	0	0	28	5.22108	3	
4	4	4	32	42	0	50	5	1	46	59	0	0	30	5.22104	4	
5	4	5	22	47	0	50	6	1	46	29	0	0	31	5.22100	5	
6	4	6	12	53	0	50	7	1	45	58	0	0	32	5.22095	6	
7	4	7	3	0	0	50	8	1	45	26	0	0	34	5.22089	7	
8	4	7	53	8	0	50	9	1	44	52	0	0	35	5.22083	8	
9	4	8	43	17	0	50	10	1	44	17	0	0	36	5.22075	9	
10	4	9	33	27	0	50	11	1	43	41	0	0	38	5.22066	10	
11	4	10	23	38	0	50	13	1	43	3	0	0	39	5.22057	11	
12	4	11	13	58	0	50	15	1	42	24	0	0	41	5.22046	12	
13	4	12	4	6	0	50	16	1	41	43	0	0	42	5.22034	13	
14	4	12	54	22	0	50	17	1	41	1	0	0	43	5.22022	14	
15	4	13	44	39	0	50	19	1	40	18	0	0	44	5.22009	15	
16	4	14	34	58	0	50	21	1	39	34	0	0	46	5.21995	16	
17	4	15	25	19	0	50	24	1	38	48	0	0	47	5.21980	17	
18	4	16	15	43	0	50	25	1	38	1	0	0	48	5.21963	18	
19	4	17	6	8	0	50	29	1	37	13	0	0	50	5.21946	19	
20	4	17	56	37	0	50	31	1	36	23	0	0	51	5.21928	20	
21	4	18	47	8	0	50	33	1	35	32	0	0	52	5.21910	21	
22	4	19	37	41	0	50	36	1	34	40	0	0	53	5.21890	22	
23	4	20	28	17	0	50	39	1	33	47	0	0	55	5.21870	23	
24	4	21	18	56	0	50	42	1	32	52	0	0	56	5.21848	24	
25	4	22	9	38	0	50	46	1	31	56	0	0	57	5.21825	25	
26	4	23	0	24	0	50	48	1	30	59	0	0	58	5.21802	26	
27	4	23	51	12	0	50	52	1	30	1	1	0	0	5.21778	27	
28	4	24	42	4	0	50	55	1	29	1	1	2	0	5.21753	28	
29	4	25	32	59	0	51	0	1	27	59	1	2	0	5.21727	29	
30	4	26	23	59				1	26	57				5.21700	30	



## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediæ ☿

Anomaliz mediæ Signa 1.																
Longitudo ☿ à * Y					Differencia Add.			Inclinatio S. D.			Differencia Sub.			Distantia à ☿ cur. Logarit.		Diff
G	S.	G.	M.	S.	G.	M.	S.	G.	M.	S.	G.	M.	S.			Sub.
0	4	26	23	59	0	51	3	1	26	57	0	1	3	5.21700		28
1	4	27	15	2		51	7	1	25	54		1	4	5.21672		29
2	4	28	6	9		51	11	1	24	50		1	6	5.21643		29
3	4	28	57	20		51	14	1	23	44		1	8	5.21614		31
4	4	29	48	34		51	20	1	22	36		1	8	5.21583		31
5	5	0	39	54		51	24	1	21	28		1	9	5.21552		32
6	5	1	31	18		51	29	1	20	19		1	11	5.21520		33
7	5	2	22	47		51	33	1	19	8		1	12	5.21487		34
8	5	3	14	20		51	38	1	17	56		1	13	5.21453		35
9	5	4	5	58		51	43	1	16	43		1	15	5.21418		36
10	5	4	57	41		51	48	1	15	28		1	15	5.21382		38
11	5	5	49	29		51	53	1	14	13		1	16	5.21346		38
12	5	6	41	22		51	59	1	12	57		1	17	5.21308		38
13	5	7	33	21		52	5	1	11	40		1	19	5.21270		39
14	5	8	25	26		52	10	1	10	21		1	20	5.21231		40
15	5	9	17	36		52	16	1	9	1		1	21	5.21191		41
16	5	10	9	52		52	21	1	7	40		1	22	5.21150		41
17	5	11	2	13		52	28	1	6	18		1	23	5.21109		42
18	5	11	54	41		52	34	1	4	55		1	25	5.21067		43
19	5	12	47	15		52	40	1	3	30		1	25	5.21024		44
20	5	13	39	55		52	47	1	2	5		1	26	5.20980		45
21	5	14	32	42		52	53	1	0	39		1	27	5.20935		46
22	5	15	25	35		53	0	0	59	12		1	29	5.20889		46
23	5	16	18	35		53	6	0	57	43		1	29	5.20843		47
24	5	17	11	41		53	14	0	56	14		1	30	5.20796		48
25	5	18	4	55		53	20	0	54	44		1	32	5.20748		49
26	5	18	58	15		53	28	0	53	12		1	32	5.20699		49
27	5	19	51	43		53	36	0	51	40		1	33	5.20650		50
28	5	20	43	19		53	43	0	50	7		1	35	5.20600		50
29	5	21	39	2		53	51	0	48	32		1	35	5.20550		52
30	5	22	32	53				0	46	57				5.20498		

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediæ ☿

Anomaliz mediæ Signa II.																
	Longitudo ☿ à * Y				Differencia Add.			Inclinatio S. D.			Differencia Sub.			Distanzia à ☿ cur.		Diff Sub.
	S.	G.	M.	S.	G.	M.	S.	G.	M.	S.	G.	M.	S.	Logarit.		
0	5	22	32	53	0	53	58	0	46	57	0	I	36	5.20498	52	
1	5	23	26	51		54	6	0	45	21	I	I	37	5.20446	53	
2	5	24	20	57		54	15	0	43	44	I	I	38	5.20393	54	
3	5	25	15	12		54	22	0	42	6	I	I	39	5.20339	55	
4	5	26	9	34		54	30	0	40	27	I	I	40	5.20284	55	
5	5	27	4	4		54	38	0	38	47	I	I	40	5.20229	56	
6	5	27	58	42		54	47	0	37	7	I	I	41	5.20173	56	
7	5	28	53	29		54	56	0	35	26	I	I	42	5.20117	57	
8	5	29	48	25		55	5	0	33	44	I	I	43	5.20060	58	
9	6	0	43	30		55	14	0	32	1	I	I	44	5.20002	58	
10	6	1	38	44		55	23	0	30	17	I	I	45	5.19944	59	
11	6	2	34	7		55	32	0	28	32	I	I	45	5.19885	60	
12	6	3	29	39		55	42	0	26	47	I	I	45	5.19825	60	
13	6	4	25	21		55	51	0	25	2	I	I	47	5.19765	61	
14	6	5	21	12		56	0	0	23	15	I	I	48	5.19704	62	
15	6	6	17	12		56	9	0	21	27	I	I	48	5.19642	62	
16	6	7	13	21		56	20	0	19	39	I	I	48	5.19580	62	
17	6	8	9	41		56	29	0	17	51	I	I	49	5.19518	63	
18	6	9	6	10		56	39	0	16	2	I	I	50	5.19455	64	
19	6	10	2	49		56	49	0	14	12	I	I	50	5.19391	64	
20	6	10	59	38		57	0	0	12	22	I	I	51	5.19327	65	
21	6	11	56	38		57	10	0	10	31	I	I	51	5.19262	65	
22	6	12	53	48		57	21	0	8	40	I	I	52	5.19197	66	
23	6	13	51	9		57	30	0	6	48	I	I	52	5.19131	66	
24	6	14	48	39		57	42	0	4	56	I	I	53	5.19065	66	
25	6	15	46	21		57	52	0	3	3	I	I	53	5.18999	67	
26	6	16	44	13		58	3	0	1	10	I	I	53	5.18932	68	
27	6	17	42	16		58	13	0	0	M 43	Ad. I	I	54	5.18864	67	
28	6	18	40	29		58	25	0	2	37	I	I	55	5.18797	68	
29	6	19	38	54		58	37	0	4	32	I	I	54	5.18729	69	
30	6	20	37	31				0	6	26				5.18660		

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis medix

Anomaliz mediz Signa III.																
G	Longitudo à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à cur. Logarit.		Diff Sub.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	6	20	37	31	0	58	47	0	6	26	0	1	55	5.18660		60
1	6	21	36	18	0	58	59	0	8	21	0	1	55	5.18591		69
2	6	22	35	17	0	59	10	0	10	16	0	1	54	5.18522		70
3	6	23	34	27	0	59	21	0	12	10	0	1	55	5.18452		69
4	6	24	33	48	0	59	33	0	14	5	0	1	56	5.18383		70
5	6	25	33	21	0	59	46	0	16	1	0	1	55	5.18313		71
6	6	26	33	7	0	59	56	0	17	56	0	1	56	5.18242		70
7	6	27	33	3	1	0	9	0	19	52	0	1	55	5.18172		71
8	6	28	33	12	0	0	20	0	21	47	0	1	56	5.18101		71
9	6	29	33	32	0	0	33	0	23	43	0	1	56	5.18030		71
10	7	0	34	5	0	0	44	0	25	39	0	1	55	5.17959		71
11	7	1	34	49	0	0	56	0	27	34	0	1	55	5.17888		71
12	7	2	35	45	1	10	0	0	29	29	0	1	55	5.17817		72
13	7	3	36	55	1	20	0	0	31	24	0	1	55	5.17745		71
14	7	4	38	15	1	33	0	0	33	19	0	1	55	5.17674		72
15	7	5	39	48	1	46	0	0	35	14	0	1	54	5.17602		71
16	7	6	41	34	1	57	0	0	37	8	0	1	53	5.17531		72
17	7	7	43	31	2	10	0	0	39	1	0	1	53	5.17459		72
18	7	8	45	41	2	22	0	0	40	54	0	1	53	5.17387		71
19	7	9	48	3	2	35	0	0	42	47	0	1	53	5.17316		72
20	7	10	50	38	2	47	0	0	44	40	0	1	52	5.17244		71
21	7	11	53	25	2	59	0	0	46	32	0	1	52	5.17173		71
22	7	12	56	24	3	13	0	0	48	24	0	1	51	5.17102		72
23	7	13	59	37	3	25	0	0	50	15	0	1	51	5.17030		71
24	7	15	3	2	3	37	0	0	52	6	0	1	49	5.16959		70
25	7	16	6	39	3	50	0	0	53	55	0	1	49	5.16889		71
26	7	17	10	29	4	2	0	0	55	44	0	1	48	5.16818		70
27	7	18	14	31	4	15	0	0	57	32	0	1	47	5.16748		70
28	7	19	18	46	4	27	0	0	59	19	0	1	46	5.16678		70
29	7	20	23	13	4	40	0	1	1	5	0	1	46	5.16608		69
30	7	21	27	53				1	2	51				5.16539		

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediæ ☿

Anomaliz mediæ Signa IV.																		
G	Longitudo ☿ λ * Υ				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia λ ☿ cur. Logarit.		Diff. Sub.		
	S	O	I	II	O	I	II	O	I	II	O	I	II					
0	7	21	27	53				I	2	51				0	I	45	5.16539	69
1	7	22	32	44				I	4	36					I	42	5.16470	69
2	7	23	37	49				I	6	18					I	42	5.16401	68
3	7	24	43	5				I	8	0					I	41	5.16333	68
4	7	25	48	34				I	9	41					I	40	5.16265	67
5	7	26	54	16				I	11	21					I	39	5.16198	67
6	7	28	0	9				I	13	10					I	36	5.16131	66
7	7	29	6	15				I	14	36					I	36	5.16065	66
8	8	0	12	33				I	16	12					I	35	5.15999	65
9	8	1	19	3				I	17	47					I	33	5.15934	65
10	8	2	25	44				I	19	20					I	31	5.15869	64
11	8	3	32	37				I	20	51					I	30	5.15805	63
12	8	4	39	43				I	22	21					I	28	5.15742	62
13	8	5	47	0				I	23	49					I	27	5.15680	62
14	8	6	54	29				I	25	16					I	24	5.15618	61
15	8	8	2	8				I	26	40					I	23	5.15557	60
16	8	9	9	59				I	28	3					I	22	5.15497	59
17	8	10	18	1				I	29	25					I	19	5.15438	58
18	8	11	26	15				I	30	44					I	16	5.15380	58
19	8	12	34	39				I	32	1					I	15	5.15322	57
20	8	13	43	14				I	33	16					I	14	5.15265	55
21	8	14	51	59				I	34	30					I	12	5.15210	55
22	8	16	0	55				I	35	41					I	9	5.15155	53
23	8	17	10	2				I	36	50					I	6	5.15102	53
24	8	18	19	18				I	37	56					I	5	5.15049	51
25	8	19	28	44				I	39	1					I	3	5.14998	51
26	8	20	38	20				I	40	4					I	59	5.14947	49
27	8	21	48	6				I	41	3					O	58	5.14898	48
28	8	22	58	1				I	42	1					O	56	5.14850	47
29	8	24	8	4				I	42	57					O	53	5.14803	46
30	8	25	18	17				I	43	50							5.14757	

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediz  $\sigma$ .

Anomaliz mediz Signa V.																
Longitudo $\sigma$ à * Y					Differentia Add.			Inclinatio M. D.			Differentia Add.			Diffantia à $\odot$ cur. Logarit.		Diff.
G	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarit.	Sub.	
0	8	25	18	17	1	10	22	1	43	50	0	0	50	5.14757	44	
1	8	26	28	39		10	30	1	44	40		0	47	5.14713	44	
2	8	27	39	9		10	39	1	45	27		0	45	5.14669	42	
3	8	28	49	48		10	46	1	46	12		0	43	5.14627	40	
4	9	0	0	34		10	53	1	46	55		0	40	5.14587	40	
5	9	1	11	27		11	2	1	47	35		0	37	5.14547	38	
6	9	2	22	29		11	8	1	48	12		0	34	5.14509	36	
7	9	3	33	37		11	16	1	48	46		0	32	5.14473	35	
8	9	4	44	53		11	23	1	49	18		0	30	5.14438	34	
9	9	5	56	16		11	28	1	49	48		0	26	5.14404	33	
10	9	7	7	44		11	35	1	50	14		0	23	5.14371	30	
11	9	8	19	19		11	41	1	50	37		0	21	5.14341	30	
12	9	9	31	0		11	46	1	50	58		0	17	5.14311	28	
13	9	10	42	46		11	52	1	51	15		0	14	5.14283	28	
14	9	11	54	38		11	57	1	51	29		0	13	5.14257	25	
15	9	13	6	35		12	1	1	51	42		0	9	5.14232	23	
16	9	14	18	36		12	7	1	51	51		0	6	5.14209	22	
17	9	15	30	43		12	10	1	51	57		0	2	5.14187	20	
18	9	16	42	53		12	14	1	51	59		0	0	5.14167	19	
19	9	17	55	7		12	18	1	51	59	Sub.	0	2	5.14148	17	
20	9	19	7	25		12	20	1	51	57		0	6	5.14131	15	
21	9	20	19	45		12	24	1	51	51		0	9	5.14116	14	
22	9	21	32	9		12	26	1	51	42		0	13	5.14102	12	
23	9	22	44	35		12	29	1	51	29		0	14	5.14090	11	
24	9	23	57	4		12	30	1	51	15		0	17	5.14079	9	
25	9	25	9	34		12	32	1	50	58		0	20	5.14070	7	
26	9	26	22	6		12	33	1	50	38		0	25	5.14063	6	
26	9	27	34	39		12	34	1	50	13		0	27	5.14057	3	
28	9	28	47	13		12	34	1	49	46		0	30	5.14054	3	
29	9	29	59	47		12	35	1	49	16		0	32	5.14051	1	
30	10	1	12	22				1	48	44				5.14050		

## Tabula Arometrica.

Tabula XIV. Longitudinis mediae  $\sigma$ 

Anomaliz mediz Signa VI.																	
		Longitudo $h$ à * $\sigma$			Differentia Add.			Inclinatio M. A.			Differentia Sub.			Distantia à $\sigma$ cur. Logarit.		Diff Ad.	
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll				
0	10	1	12	22	1	12	35	1	48	44	0	0	36	5.14050		2	
1	10	2	24	57		12	34	1	48	8	0	0	38	5.14052		2	
2	10	3	37	31		12	34	1	47	30	0	0	41	5.14054		4	
3	10	4	50	5		12	33	1	46	49	0	0	44	5.14058		6	
4	10	6	2	38		12	32	1	46	5	0	0	47	5.14064		8	
5	10	7	15	10		12	30	1	45	18	0	0	50	5.14072		10	
6	10	8	27	40		12	28	1	44	28	0	0	52	5.14082		11	
7	10	9	40	8		12	26	1	43	36	0	0	56	5.14093		12	
8	10	10	52	34		12	23	1	42	40	0	0	58	5.14105		14	
9	10	12	4	57		12	19	1	41	42	0	0	0	5.14119		16	
10	10	13	17	16		12	17	1	40	42	1	3	6	5.14135		17	
11	10	14	29	33		12	13	1	39	39	1	6	8	5.14152		19	
12	10	15	41	46		12	9	1	38	33	1	8	11	5.14171		21	
13	10	16	53	55		12	5	1	37	25	1	11	13	5.14192		22	
14	10	18	6	0		12	0	1	36	14	1	13	16	5.14214		23	
15	10	19	18	0		11	56	1	35	1	1	16	18	5.14237		26	
16	10	20	29	56		11	52	1	33	45	1	18	20	5.14263		26	
17	10	21	41	48		11	45	1	32	27	1	20	23	5.14289		28	
18	10	22	53	33		11	40	1	31	7	1	23	25	5.14317		30	
19	10	24	5	13		11	33	1	29	44	1	25	27	5.14347		31	
20	10	25	16	46		11	27	1	28	19	1	27	29	5.14378		33	
21	10	26	28	13		11	21	1	26	52	1	29	31	5.14411		34	
22	10	27	39	34		11	15	1	25	23	1	31	33	5.14445		35	
23	10	28	50	49		11	6	1	23	52	1	33	35	5.14480		37	
24	11	0	1	55		11	0	1	22	19	1	35	37	5.14517		38	
25	11	1	12	55		10	53	1	20	44	1	37	39	5.14555		40	
26	11	2	23	48		10	46	1	19	7	1	39	41	5.14595		41	
27	11	3	34	34		10	35	1	17	28	1	41	42	5.14636		42	
28	11	4	45	9		10	28	1	15	47	1	42	44	5.14678		43	
29	11	5	55	37		10	19	1	14	5	1	44		5.14721		45	
30	11	7	5	56				1	12	21				5.14766			

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediz  $\sigma$ 

Anomaliz mediz Signa VII.																
G	Longitudo $\sigma$ à * Y				Differencia Add.			Inclinatio M. A.			Differencia Sub.			Distanza à $\odot$ cur. Logarit.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	II	7	5	56	I	10	12	I	12	21	0	I	46	5.14766		46
1	II	8	16	8		10	2	I	10	35		I	48	5.14812		47
2	II	9	26	10		9	54	I	8	47		I	48	5.14859		48
3	II	10	36	4		9	43	I	6	59		I	50	5.14907		49
4	II	11	45	47		9	34	I	5	9		I	52	5.14956		51
5	II	12	55	21		9	25	I	3	17		I	52	5.15007		52
6	II	14	4	46		9	14	I	I	25		I	54	5.15059		52
7	II	15	14	0		9	5	0	59	31		I	55	5.15111		54
8	II	16	23	5		8	54	0	57	36		I	56	5.15165		54
9	II	17	31	59		8	43	0	55	40		I	58	5.15219		56
10	II	18	40	42		8	33	0	53	42		I	58	5.15275		56
11	II	19	49	15		8	22	0	51	44		I	59	5.15331		58
12	II	20	57	37		8	12	0	49	45		2	0	5.15389		58
13	II	22	5	49		8	I	0	47	45		2	I	5.15447		59
14	II	23	13	50		7	50	0	45	44		2	I	5.15506		60
15	II	24	21	40		7	38	0	43	43		2	2	5.15566		61
16	II	25	29	18		7	26	0	41	41		2	3	5.15627		62
17	II	26	36	44		7	15	0	39	38		2	4	5.15689		62
18	II	27	43	59		7	4	0	37	34		2	4	5.15751		63
19	II	28	51	3		6	51	0	35	30		2	4	5.15814		64
20	II	29	57	54		6	41	0	33	26		2	5	5.15878		64
21	0	I	4	35		6	28	0	31	21		2	5	5.15942		65
22	0	2	11	3		6	17	0	29	16		2	5	5.16007		65
23	0	3	17	20		6	4	0	27	11		2	5	5.16072		66
24	0	4	23	23		5	52	0	25	6		2	6	5.16138		67
25	0	5	29	16		5	40	0	23	0		2	7	5.16205		67
26	0	6	34	56		5	28	0	20	53		2	6	5.16272		68
27	0	7	40	24		5	16	0	18	47		2	6	5.16340		67
28	0	8	45	40		5	4	0	16	41		2	5	5.16407		68
29	0	9	50	44		4	50	0	14	36		2	6	5.16475		70
30	0	10	55	34				0	12	30				5.16545		

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediæ  $\sigma$ 

Anomaliz mediæ Signa VIII.

G.	Longitudo $\sigma$ à * Y				Differentia Add.			Inclinatio M. A.			Differentia Sub.			Distantia à $\odot$ cur. Logarit.		Diff.
	S	O	I	II	O	I	II	O	I	II	O	I	II			Ad.
0	0	10	55	34	I	4	39	0	12	30	0	2	6	5.16545		69
1	0	12	0	13		4	26	0	10	24	0	2	5	5.16614		69
2	0	13	4	39		4	14	0	8	19	0	2	5	5.16683		70
3	0	14	8	53		4	1	0	6	14	0	2	5	5.16753		70
4	0	15	12	54		3	49	0	4	9	0	2	5	5.16823		70
5	0	16	16	43		3	36	0	2	5	0	2	5	5.16893		69
6	0	17	20	19		3	24	0	0	1	2	A	4	5.16964		69
7	0	18	23	43		3	11	0	2	5	2	2	3	5.17035		70
8	0	19	26	54		2	59	0	4	8	2	2	3	5.17105		71
9	0	20	29	53		2	47	0	6	11	2	2	3	5.17176		71
10	0	21	32	40		2	34	0	8	14	2	2	1	5.17247		71
11	0	22	35	14		2	22	0	10	15	2	2	1	5.17318		72
12	0	23	37	36		2	9	0	12	16	2	2	1	5.17390		71
13	0	24	39	45		1	57	0	14	17	2	2	0	5.17461		71
14	0	25	41	42		1	45	0	16	17	1	1	59	5.17532		72
15	0	26	43	27		1	34	0	18	16	1	1	59	5.17604		71
16	0	27	45	1		1	20	0	20	15	1	1	58	5.17675		71
17	0	28	46	21		1	9	0	22	13	1	1	57	5.17746		71
18	0	29	47	30		0	56	0	24	10	1	1	56	5.17817		71
19	I	0	48	26		0	45	0	26	6	1	1	55	5.17888		71
20	I	1	49	11		0	32	0	28	1	1	1	54	5.17959		71
21	I	2	49	43		0	20	0	29	55	1	1	54	5.18030		71
22	I	3	50	3		0	9	0	31	49	1	1	52	5.18100		70
23	I	4	50	12		0	59	0	33	41	1	1	52	5.18171		71
24	I	5	50	9		0	59	0	35	33	1	1	50	5.18241		70
25	I	6	49	55		59	46	0	37	23	1	1	49	5.18311		70
26	I	7	49	28		59	33	0	39	12	1	1	48	5.18381		70
27	I	8	48	50		59	22	0	41	0	1	1	48	5.18450		69
28	I	9	48	1		59	11	0	42	48	1	1	46	5.18519		69
29	I	10	47	0		58	59	0	44	34	1	1	45	5.18588		69
30	I	11	45	47		58	47	0	46	19				5.18657		69



## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediæ ♂

Anomaliz mediæ Signa IX.																
G	Longitudo ♂ à * Y				Differencia Add.			Inclinatio S. A.			Differencia Add.			Distantia à ☉ cur. Logarit.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	I	11	45	47	0	58	37	0	46	19	0	I	44	5.18657		68
1	I	12	44	24		58	26	0	48	3		I	43	5.18725		68
2	I	13	42	50		58	14	0	49	46		I	42	5.18793		67
3	I	14	41	4		58	5	0	51	28		I	40	5.18860		67
4	I	15	39	9		57	53	0	53	8		I	39	5.18927		67
5	I	16	37	2		57	43	0	54	47		I	38	5.18994		66
6	I	17	34	45		57	31	0	56	25		I	36	5.19060		66
7	I	18	32	16		57	21	0	58	1		I	36	5.19126		65
8	I	19	29	37		57	11	0	59	37		I	34	5.19191		65
9	I	20	26	48		57	0	I	1	11		I	33	5.19256		65
10	I	21	23	48		56	50	I	2	44		I	31	5.19321		64
11	I	22	20	38		56	40	I	4	15		I	31	5.19385		63
12	I	23	17	18		56	30	I	5	46		I	28	5.19448		63
13	I	24	13	48		56	21	I	7	14		I	28	5.19511		62
14	I	25	10	9		56	11	I	8	42		I	26	5.19573		62
15	I	26	6	20		56	1	I	10	8		I	25	5.19635		61
16	I	27	2	21		55	51	I	11	33		I	24	5.19696		61
17	I	27	58	12		55	43	I	12	57		I	21	5.19757		60
18	I	28	53	55		55	34	I	14	18		I	21	5.19817		60
19	I	29	49	29		55	24	I	15	39		I	19	5.19877		59
20	2	0	44	53		55	14	I	16	58		I	18	5.19936		58
21	2	1	40	7		55	6	I	18	16		I	17	5.19994		57
22	2	2	35	13		54	58	I	19	33		I	15	5.20051		57
23	2	3	30	11		54	48	I	20	48		I	14	5.20108		57
24	2	4	24	59		54	40	I	22	2		I	12	5.20165		56
25	2	5	19	39		54	32	I	23	14		I	10	5.20221		55
26	2	6	14	11		54	24	I	24	24		I	9	5.20276		54
27	2	7	8	35		54	16	I	25	33		I	8	5.20330		54
28	2	8	2	51		54	7	I	26	41		I	6	5.20384		53
29	2	8	56	58		53	59	I	27	47		I	5	5.20437		53
30	2	9	50	57				I	28	52				5.20489		52

## Tabulæ Arometricæ.

Tabula XIV. Longitudinis mediæ ♂

Anomaliz mediæ Signa X.																
G	Longitudo ♂ à * Y				Differentia Add.			Inclinatio S. A.			Differentia Add.			Distantia à ♂ cur.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarit.		
0	2	9	50	57	0	53	52	I 28	52	0	I	4		5.20489	51	
1	2	10	44	49		53	44	I 29	56		I	2		5.20540	51	
2	2	11	38	33		53	37	I 30	58		I	0		5.20591	50	
3	2	12	32	10		53	30	I 31	58		0	59		5.20641	49	
4	2	13	25	40		53	22	I 32	57		0	58		5.20690	49	
5	2	14	19	2		53	15	I 33	55		0	56		5.20739	48	
6	2	15	12	17		53	8	I 34	51		0	54		5.20787	47	
7	2	16	5	25		53	2	I 35	45		0	53		5.20834	46	
8	2	16	58	27		52	54	I 36	38		0	52		5.20880	46	
9	2	17	51	21		52	48	I 37	30		0	50		5.20926	45	
10	2	18	44	9		52	41	I 38	20		0	48		5.20971	43	
11	2	19	36	50		52	36	I 39	8		0	48		5.21014	44	
12	2	20	29	26		52	29	I 39	56		0	46		5.21058	42	
13	2	21	21	55		52	23	I 40	42		0	43		5.21100	42	
14	2	22	14	18		52	17	I 41	25		0	43		5.21142	40	
15	2	23	6	35		52	11	I 42	8		0	41		5.21182	40	
16	2	23	58	46		52	6	I 42	49		0	40		5.21222	39	
17	2	24	50	52		52	0	I 43	29		0	38		5.21261	39	
18	2	25	42	52		51	55	I 44	7		0	37		5.21300	37	
19	2	26	34	47		51	50	I 44	44		0	35		5.21337	37	
20	2	27	26	37		51	44	I 45	19		0	34		5.21374	35	
21	2	28	18	21		51	39	I 45	53		0	32		5.21409	35	
22	2	29	10	0		51	35	I 46	25		0	30		5.21444	34	
23	3	0	1	35		51	29	I 46	55		0	30		5.21478	34	
24	3	0	53	4		51	25	I 47	25		0	28		5.21512	32	
25	3	1	44	29		51	21	I 47	53		0	26		5.21544	31	
26	3	2	35	50		51	16	I 48	19		0	24		5.21575	31	
27	3	3	27	6		51	12	I 48	43		0	24		5.21606	30	
28	3	4	18	18		51	8	I 49	7		0	22		5.21636	29	
29	3	5	9	26		51	4	I 49	29		0	19		5.21665	28	
30	3	6	0	30				I 49	48					5.21693		

# Tabulæ Arometricæ.

## Tabula XIV. Longitudinis mediz $\sigma$

Anomaliz mediz Signa XI.															
Longitudo $\sigma$ à * Y					Differentia Add.			Inclinatio S. A.			Differentia Add.			Distantia à $\odot$ cur. Logarit.	Diff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Ad.	Ad.
0	3	6	0	30	0	51	0	1	49	48	0	0	19	5.21693	27
1	3	6	51	30	50	57		1	50	7	0	0	18	5.21720	26
2	3	7	42	27	50	52		1	50	25	0	0	16	5.21746	25
3	3	8	33	19	50	49		1	50	41	0	0	15	5.21771	25
4	3	9	24	8	50	47		1	50	56	0	0	13	5.21796	23
5	3	10	14	55	50	42		1	51	9	0	0	11	5.21819	23
6	3	11	5	37	50	40		1	51	20	0	0	10	5.21842	22
7	3	11	56	17	50	37		1	51	30	0	0	8	5.21864	20
8	3	12	46	54	50	34		1	51	38	0	0	8	5.21884	20
9	3	13	37	28	50	32		1	51	46	0	0	6	5.21904	19
10	3	14	28	0	50	29		1	51	52	0	0	4	5.21923	19
11	3	15	18	29	50	26		1	51	56	0	0	2	5.21942	17
12	3	16	8	55	50	24		1	51	58	0	0	1	5.21959	16
13	3	16	59	19	50	22		1	51	59	0	0	1	5.21975	15
14	3	17	49	41	50	21		1	52	0	0	Sub. 2	1	5.21990	15
15	3	18	40	2	50	18		1	51	58	0	0	3	5.22005	13
16	3	19	30	20	50	16		1	51	55	0	0	4	5.22018	13
17	3	20	20	36	50	15		1	51	51	0	0	6	5.22031	12
18	3	21	10	51	50	13		1	51	45	0	0	8	5.22043	11
19	3	22	1	4	50	11		1	51	37	0	0	9	5.22054	9
20	3	22	51	15	50	11		1	51	28	0	0	10	5.22063	9
21	3	23	41	26	50	10		1	51	18	0	0	11	5.22072	8
22	3	24	31	36	50	7		1	51	7	0	0	13	5.22080	8
23	3	25	21	43	50	8		1	50	54	0	0	15	5.22088	6
24	3	26	11	51	50	6		1	50	39	0	0	15	5.22094	5
25	3	27	1	57	50	6		1	50	24	0	0	17	5.22099	4
26	3	27	52	3	50	5		1	50	7	0	0	19	5.22103	4
27	3	28	42	8	50	6		1	49	48	0	0	20	5.22107	2
28	3	29	32	14	50	4		1	49	28	0	0	21	5.22109	1
29	4	0	22	18	50	4		1	49	7	0	0	23	5.22111	0
30	4	1	12	22				1	48	44				5.22111	

## Tabulæ Aphrodimetricæ.

Tabula XV. Epocharum ♀ ad hos annos.

Anni expansi.					Anni collecti.						
Anni Christi		Anomalia ♀				Anni Christi.		Anomalia ♀			
Stilo Gregor.		S.	G.	M.	S.	Chri- sti.		S.	G.	M.	S.
B	1700	7	18	24	26	B	1705	9	3	53	43
	1800	2	4	34	33		1706	4	18	40	21
	1900	8	20	44	40		1707	0	3	26	59
	2000	3	8	30	55		1708	7	19	49	44
B	1	7	14	46	38	B	1709	3	4	36	22
	2	2	29	33	16		1710	10	19	23	0
	3	10	14	19	54		1711	6	4	9	38
	4	6	0	42	39		1712	1	20	32	23
B	5	1	15	29	17	B	1713	9	5	19	1
	6	9	0	15	55		1714	4	20	5	39
	7	4	15	2	33		1715	0	4	52	17
	8	0	1	25	18		1716	7	21	15	2
B	9	7	16	11	56	B	1717	3	6	1	40
	10	3	0	58	34		1718	10	20	48	18
	11	10	15	45	12		1719	6	5	34	56
	12	6	2	7	57		1720	1	21	57	41
B	13	1	16	54	35	B	1721	9	6	44	19
	14	9	1	41	13		1722	4	21	30	57
	15	4	16	27	51		1723	0	6	17	35
	16	0	2	50	36		1724	7	22	40	20
B	17	7	17	37	14	B	1725	3	7	26	58
	18	3	2	23	52		1726	10	22	13	36
	19	10	17	10	30		1727	6	7	0	14
	20	6	3	33	15		1728	1	23	22	59
B	40	0	7	6	30	B	1729	9	8	9	37
B	60	6	10	39	45		1730	4	22	56	15
B	80	0	14	13	0		1731	0	7	42	53
B	100	6	17	46	15		1732	7	24	5	38
B	200	1	5	32	30	B	1733	3	8	52	16
B	300	7	23	18	45		1734	10	23	38	54
B	400	2	11	5	0		1735	6	8	25	32
B	500	8	28	51	15		1736	11	24	48	17

## Tabulæ Aphrodimetricæ.

Tabula XV. Epocharum ♀ ad hos annos.

Anni collecti					Anni collecti.				
Anni	Anomalía ♀				Ann	Anomalía ♀			
Christi	S.	G.	M.	S.	Christi	S.	G.	M.	S.
1737	9	9	34	55	1769	9	15	16	7
1738	4	24	21	33	1770	5	0	2	45
1739	0	9	8	11	1771	0	14	49	23
B 1740	7	25	30	56	B 1772	8	1	12	8
1741	3	10	17	34	1773	3	15	58	46
1742	10	25	4	12	1774	11	0	45	24
1743	6	9	50	50	1775	6	15	32	2
B 1744	1	26	13	35	B 1776	2	1	54	47
1745	9	11	0	13	1777	9	16	41	25
1746	4	25	46	51	1778	5	1	28	3
1747	0	10	33	29	1779	0	16	14	41
B 1748	7	26	56	14	B 1780	8	2	37	26
1749	3	11	42	52	1781	3	17	24	4
1750	10	26	29	30	1782	11	2	10	42
1751	6	11	16	8	1783	6	16	57	20
B 1752	1	27	38	53	B 1784	2	3	20	5
1753	9	12	25	31	1785	9	18	6	43
1754	4	27	12	9	1786	5	2	53	21
1755	0	11	58	47	1787	0	17	39	59
B 1756	7	28	21	32	B 1788	8	4	2	44
1757	3	13	8	10	1789	3	18	49	22
1758	10	27	54	48	1790	11	3	36	0
1759	6	12	41	26	1791	6	18	22	38
B 1760	1	29	4	11	B 1792	2	4	45	23
1761	9	13	50	49	1793	9	19	32	1
1762	4	28	37	27	1794	5	4	18	39
1763	0	13	24	5	1795	0	19	5	17
B 1764	7	29	46	50	B 1796	8	5	28	2
1765	3	14	33	28	1797	3	20	14	40
1766	10	29	20	6	1798	11	5	1	18
1767	6	14	6	44	1799	6	19	47	56
B 1768	2	0	29	29	1800	2	4	34	33

## Tabulæ Aphrodimetricæ.

Tabula XVI.

Tabu'a XVII.

Menses	Communes	Dies	Anomalia			H	Anom.				Anom.		
			G.	M.	S.		G.	M.	S.	M	M.	S.	T.
Menses	Anomalia	1	1	36	8								
Complet	S. G. M. S.	2	3	12	15	1	0	4	0	31	2	4	10
Januarius	1 19 39 58	3	4	48	23	2	0	8	1	32	2	8	10
Februarius	3 4 31 32	4	6	24	31	3	0	12	1	33	2	12	11
Martius	4 24 11 30	5	8	0	38	4	0	16	1	34	2	16	11
Aprilis	6 12 15 20	6	9	36	46	5	0	20	2	35	2	20	11
Majus	8 1 55 17	7	11	12	54	6	0	24	2	36	2	24	11
Junius	9 19 59 7	8	12	49	1	7	0	28	2	37	2	28	12
Julius	11 9 39 5	9	14	25	9	8	0	32	3	38	2	32	12
Augustus	0 29 19 3	10	16	1	17	9	0	36	3	39	2	36	12
September	2 17 22 53	11	17	37	24	10	0	40	3	40	2	40	13
October	4 7 2 50	12	19	13	32	11	0	44	4	41	2	44	13
November	5 25 6 40	13	20	49	40	12	0	48	4	42	2	48	13
December	7 14 46 38	14	22	25	47	13	0	52	4	43	2	52	14
Menses	Binextiles	15	24	1	55	14	0	56	4	44	2	56	14
Menses	Anomalia	16	25	38	3	15	1	0	5	45	3	0	14
Complet	S. G. M. S.	17	27	14	10	16	1	4	5	46	3	4	15
Januarius	1 19 39 58	18	28	50	18	17	1	8	5	47	3	8	15
Februarius	3 6 7 40	19	30	26	26	18	1	12	6	48	3	12	15
Martius	4 25 47 38	20	32	2	33	19	1	16	6	49	3	16	16
Aprilis	6 13 51 28	21	33	38	41	20	1	20	6	50	3	20	16
Majus	8 3 31 25	22	35	14	49	21	1	24	7	51	3	24	16
Junius	9 21 35 15	23	36	50	56	22	1	28	7	52	3	28	17
Julius	11 11 15 13	24	38	27	4	23	1	32	7	53	3	32	17
Augustus	1 0 55 11	25	40	3	12	24	1	36	8	54	3	36	17
September	2 18 59 1	26	41	39	19	25	1	40	8	55	3	40	18
October	4 8 38 58	27	43	15	27	26	1	44	8	56	3	44	18
November	5 26 42 48	28	44	51	35	27	1	48	9	57	3	48	18
December	7 16 22 46	29	46	27	42	28	1	52	9	58	3	52	19
		30	48	3	50	29	1	56	9	59	3	56	19
		31	49	39	58	30	2	0	10	60	4	0	19

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos.

Anomaliz mediæ Signa O.																
G	Longitudo ♀ à * Y				Differencia Add.			Inclinatio M. D.			Differencia Add.			Distantia à cur. Logarit.		Diff Sub.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	9	4	57	1	0	59	10	2	37	26	0	2	13	4.86199		2
1	9	5	56	11		59	10	2	39	39		2	10	4.86197		1
2	9	6	55	21		59	11	2	41	49		2	6	4.86196		2
3	9	7	54	32		59	10	2	43	55		2	4	4.86194		1
4	9	8	53	42		59	11	2	45	59		2	1	4.86193		2
5	9	9	52	53		59	12	2	48	0		1	58	4.86191		2
6	9	10	52	5		59	12	2	49	58		1	55	4.86189		2
7	9	11	51	17		59	12	2	51	53		1	53	4.86187		2
8	9	12	50	29		59	13	2	53	46		1	49	4.86185		2
9	9	13	49	42		59	13	2	55	35		1	45	4.86183		2
10	9	14	48	55		59	12	2	57	20		1	43	4.86181		2
11	9	15	48	7		59	13	2	59	3		1	39	4.86179		2
12	9	16	47	20		59	14	3	0	42		1	36	4.86177		2
13	9	17	46	34		59	14	3	2	18		1	33	4.86175		2
14	9	18	45	48		59	14	3	3	51		1	30	4.86173		3
15	9	19	45	2		59	15	3	5	21		1	27	4.86170		2
16	9	20	44	17		59	15	3	6	48		1	23	4.86168		3
17	9	21	43	32		59	16	3	8	11		1	20	4.86165		2
18	9	22	42	48		59	16	3	9	31		1	16	4.86163		3
19	9	23	42	4		59	16	3	10	47		1	13	4.86160		2
20	9	24	41	20		59	17	3	12	0		1	10	4.86158		3
21	9	25	40	37		59	18	3	13	10		1	6	4.86155		3
22	9	26	39	55		59	17	3	14	16		1	2	4.86152		3
23	9	27	39	12		59	19	3	15	18		0	59	4.86149		3
24	9	28	38	31		59	19	3	16	17		0	56	4.86146		3
25	9	29	37	50		59	19	3	17	13		0	52	4.86143		2
26	10	0	37	9		59	20	3	18	5		0	49	4.86141		3
27	10	1	36	29		59	21	3	18	54		0	46	4.86138		3
28	10	2	35	50		59	20	3	19	40		0	41	4.86135		3
29	10	3	35	10		59	21	3	20	21		0	38	4.86132		4
30	10	4	34	31				3	20	59				4.86128		

## Tabulæ Aphrodimetricæ.

Tabula XVI.

Tabula XVII.

Menfes	Communes	Dies	Anomalis				Anom.				Anom.			
			G.	M.	S.	H.	G.	M.	S.	M.	M.	S.	T.	Q.
Menfes	Anomalia	1	1	36	8	M	0	4	0	31	2	4	10	
Compleri	S. G. M. S.	2	3	12	15		0	8	1	32	2	8	10	
Januarius	1 19 39 58	3	4	48	23		0	12	1	33	2	12	11	
Februarius	3 4 31 32	4	6	24	31		0	16	1	34	2	16	11	
Martius	4 24 11 30	5	8	0	38		0	20	2	35	2	20	11	
Aprilis	6 12 15 20	6	9	36	46		0	24	2	36	2	24	11	
Majus	8 1 55 17	7	11	12	54		0	28	2	37	2	28	12	
Junius	9 19 59 7	8	12	49	1		0	32	3	38	2	32	12	
Julius	11 9 39 5	9	14	25	9		0	36	3	39	2	36	12	
Augustus	0 29 19 3	10	16	1	17		0	40	3	40	2	40	13	
September	2 17 22 53	11	17	37	24		0	44	4	41	2	44	13	
October	4 7 2 50	12	19	13	32		0	48	4	42	2	48	13	
November	5 25 6 40	13	20	49	40		0	52	4	43	2	52	14	
December	7 14 46 38	14	22	25	47		0	56	4	44	2	56	14	
Menfes	Binextiles	15	24	1	55		1	0	5	45	3	0	14	
Menfes	Anomalia	16	25	38	3		1	4	5	46	3	4	15	
Compleri	S. G. M. S.	17	27	14	10		1	8	5	47	3	8	15	
Januarius	1 19 39 58	18	28	50	18		1	12	6	48	3	12	15	
Februarius	3 6 7 40	19	30	26	26		1	16	6	49	3	16	16	
Martius	4 25 47 38	20	32	2	33		1	20	6	50	3	20	16	
Aprilis	6 13 51 28	21	33	38	41		1	24	7	51	3	24	16	
Majus	8 3 31 25	22	35	14	49		1	28	7	52	3	28	17	
Junius	9 21 35 15	23	36	50	56		1	32	7	53	3	32	17	
Julius	11 11 13 13	24	38	27	4		1	36	8	54	3	36	17	
Augustus	1 0 55 11	25	40	3	12		1	40	8	55	3	40	18	
September	2 18 59 1	26	41	39	19		1	44	8	56	3	44	18	
October	4 8 38 58	27	43	15	27		1	48	9	57	3	48	18	
November	5 26 42 48	28	44	51	35		1	52	9	58	3	52	19	
December	7 16 22 46	29	46	27	42		1	56	9	59	3	56	19	
		30	48	3	50		2	0	10	60	4	0	19	
		31	49	39	58		2	0	10	60	4	0	19	



## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos.

Anomaliz mediæ Signa O.																
G	Longitudo ♀ à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ☉ cur. Logarit.		Diff Sub.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	9	4	57	1	59	10	2	37	26	0	2	13	4.86199		2	
1	9	5	56	11	59	10	2	39	39	0	2	10	4.86197		1	
2	9	6	55	21	59	11	2	41	49	2	6		4.86196		2	
3	9	7	54	32	59	10	2	43	55	2	4		4.86194		1	
4	9	8	53	42	59	11	2	45	59	2	1		4.86193		2	
5	9	9	52	53	59	12	2	48	0	1	58		4.86191		2	
6	9	10	52	5	59	12	2	49	58	1	55		4.86189		2	
7	9	11	51	17	59	12	2	51	53	1	53		4.86187		2	
8	9	12	50	29	59	13	2	53	46	1	49		4.86185		2	
9	9	13	49	42	59	13	2	55	35	1	45		4.86183		2	
10	9	14	48	55	59	12	2	57	20	1	43		4.86181		2	
11	9	15	48	7	59	13	2	59	3	1	39		4.86179		2	
12	9	16	47	20	59	14	3	0	42	1	36		4.86177		2	
13	9	17	46	34	59	14	3	2	18	1	33		4.86175		2	
14	9	18	45	48	59	14	3	3	51	1	30		4.86173		2	
15	9	19	45	2	59	15	3	5	21	1	27		4.86170		3	
16	9	20	44	17	59	15	3	6	48	1	23		4.86168		2	
17	9	21	43	32	59	16	3	8	11	1	20		4.86165		3	
18	9	22	42	48	59	16	3	9	31	1	16		4.86163		2	
19	9	23	42	4	59	16	3	10	47	1	13		4.86160		3	
20	9	24	41	20	59	17	3	12	0	1	10		4.86158		2	
21	9	25	40	37	59	18	3	13	10	1	6		4.86155		3	
22	9	26	39	55	59	17	3	14	16	1	2		4.86152		3	
23	9	27	39	12	59	19	3	15	18	0	59		4.86149		3	
24	9	28	38	31	59	19	3	16	17	0	56		4.86146		3	
25	9	29	37	50	59	19	3	17	13	0	52		4.86143		3	
26	10	0	37	9	59	20	3	18	5	0	49		4.86141		2	
27	10	1	36	29	59	21	3	18	54	0	46		4.86138		3	
28	10	2	35	50	59	20	3	19	40	0	41		4.86135		3	
29	10	3	35	10	59	21	3	20	21	0	38		4.86132		3	
30	10	4	34	31			3	20	59	0			4.86128		4	

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ ♀ ad hos annos;

Anomaliz mediæ Signa I.																
G	Longitudo ♀ à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ☉ cur.		Diff Sub.
	S	o	i	u	o	i	u	o	i	u	o	i	u	Logarit.		
0	10	4	34	31	0	59	22	3	20	59	0	0	35	4.86128		
1	10	5	33	53		59	22	3	21	34		0	30	4.86125	3	
2	10	6	33	15		59	23	3	22	4		0	28	4.86122	3	
3	10	7	32	38		59	23	3	22	32		0	23	4.86119	3	
4	10	8	32	1		59	23	3	22	55		0	20	4.86116	3	
5	10	9	31	25		59	24		3	23	15		16	4.86112	4	
6	10	10	30	49		59	24		3	23	31		13	4.86109	3	
7	10	11	30	14		59	25		3	23	44		8	4.86106	3	
8	10	12	29	40		59	26		3	23	52		5	4.86102	4	
9	10	13	29	6		59	26		3	23	57		5	4.86099	3	
10	10	14	28	33		59	27		3	24	A 0	Sub.	3	4.86095	4	
11	10	15	28	0		59	27		3	23	57		3	4.86092	3	
12	10	16	27	27		59	27		3	23	52		5	4.86088	4	
13	10	17	26	56		59	29		3	23	43		9	4.86085	3	
14	10	18	26	25		59	29		3	23	30		13	4.86081	4	
15	10	19	25	54		59	29		3	23	13		17	4.86078	3	
16	10	20	25	25		59	31		3	22	53		20	4.86074	4	
17	10	21	24	56		59	31		3	22	29		24	4.86070	4	
18	10	22	24	27		59	31		3	22	2		27	4.86067	3	
19	10	23	23	59		59	32		3	21	31		31	4.86063	4	
20	10	24	23	31		59	32		3	20	56		35	4.86059	4	
21	10	25	23	4		59	33		3	20	17		39	4.86056	3	
22	10	26	22	38		59	34		3	19	34		43	4.86052	4	
23	10	27	22	12		59	34		3	18	49		45	4.86048	4	
24	10	28	21	46		59	34		3	18	0		49	4.86045	3	
25	10	29	21	22		59	36		3	17	6		54	4.86041	4	
26	11	0	20	59		59	37		3	16	10		56	4.86037	4	
27	11	1	20	35		59	36		3	15	10	I	0	4.86033	4	
28	11	2	20	13		59	38		3	14	7	I	3	4.86030	3	
29	11	3	19	51		59	38		3	13	0	I	7	4.86026	4	
30	11	4	19	30		59	39		3	11	50	I	10	4.86022	4	

# Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos.

Anomaliz mediæ Signa II.																
Longitudo ♀ à * Y					Differentia Add.			Inclinatio M. A.			Differentia Sub.			Distantia à ☉ cur. Logarit.		Dif
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			Sub
0	II	4	19	30	59	39	3	11	50	0	I	15		4.86022		4
1	II	5	19	9	59	39	3	10	35		I	18		4.86018		4
2	II	6	18	48	59	41	3	9	17		I	20		4.86014		4
3	II	7	18	29	59	41	3	7	57		I	24		4.86010		4
4	II	8	18	10	59	41	3	6	33		I	28		4.86007		3
5	II	9	17	52	59	42	3	5	5		I	31		4.86003		4
6	II	10	17	35	59	43	3	3	34		I	34		4.85999		4
7	II	11	17	18	59	43	3	2	0		I	38		4.85995		4
8	II	12	17	2	59	44	3	0	22		I	41		4.85991		4
9	II	13	16	46	59	44	2	58	41		I	44		4.85987		4
10	II	14	16	32	59	46	2	56	57		I	47		4.85983		4
11	II	15	16	17	59	45	2	55	10		I	51		4.85979		4
12	II	16	16	4	59	47	2	53	19		I	55		4.85975		4
13	II	17	15	51	59	47	2	51	24		I	55		4.85971		4
14	II	18	15	39	59	48	2	49	28		I	56		4.85967		4
15	II	19	15	27	59	48	2	47	28		2	0		4.85963		4
16	II	20	15	16	59	49	2	45	24		2	4		4.85959		4
17	II	21	15	6	59	50	2	43	18		2	6		4.85955		4
18	II	22	14	56	59	50	2	41	9		2	9		4.85951		4
19	II	23	14	47	59	51	2	41	9		2	12		4.85951		4
20	II	24	14	39	59	52	2	38	57		2	15		4.85947		4
21	II	25	14	31	59	52	2	36	42		2	18		4.85943		4
22	II	26	14	24	59	53	2	34	24		2	20		4.85939		4
23	II	27	14	18	59	54	2	32	4		2	24		4.85935		4
24	II	28	14	12	59	54	2	29	40		2	26		4.85931		4
25	II	29	14	7	59	55	2	27	14		2	29		4.85927		4
26	II	30	14	2	59	56	2	24	45		2	32		4.85923		4
27	0	0	13	59	59	56	2	22	13		2	34		4.85919		4
28	0	1	13	59	59	57	2	19	39		2	37		4.85915		4
29	0	2	13	56	59	57	2	17	2		2	40		4.85911		4
30	0	3	13	54	59	58	2	14	22		2	42		4.85907		4
31	0	4	13	52			2	11	40					4.85903		

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos.

Anomaliz mediæ Signa III.																
G	S	Longitudo ♀ à * Y			Differencia Add.			Inclinatio M. A.			Differencia Sub.			Distantia à ☉ cur.		Diff
		o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.	Sub.	
0	0	4	13	52	0	59	59	2	11	40	0	2	44	4.85903		4
1	0	5	13	51	1	0	0	2	8	56	0	2	46	4.85899		4
2	0	6	13	51		0	0	2	6	10		2	50	4.85895		4
3	0	7	13	51		0	1	2	3	20		2	52	4.85891		5
4	0	8	13	52		0	2	2	0	28		2	53	4.85886		4
5	0	9	13	54		0	2	1	57	35		2	56	4.85882		4
6	0	10	13	56		0	3	1	54	39		2	57	4.85878		4
7	0	11	13	59		0	4	1	51	42		3	0	4.85874		4
8	0	12	14	3		0	4	1	48	42		3	2	4.85870		4
9	0	13	14	7		0	5	1	45	40		3	3	4.85866		4
10	0	14	14	12		0	6	1	42	37		3	6	4.85862		5
11	0	15	14	18		0	7	1	39	31		3	7	4.85857		4
12	0	16	14	25		0	7	1	36	24		3	9	4.85853		4
13	0	17	14	32		0	8	1	33	15		3	11	4.85849		4
14	0	18	14	40		0	9	1	30	4		3	14	4.85845		4
15	0	19	14	49		0	9	1	26	50		3	15	4.85841		5
16	0	20	14	58		0	10	1	23	35		3	17	4.85836		4
17	0	21	15	8		0	10	1	20	18		3	18	4.85832		4
18	0	22	15	18		0	12	1	17	0		3	19	4.85828		4
19	0	23	15	30		0	12	1	13	41		3	20	4.85824		5
20	0	24	15	42		0	13	1	10	21		3	22	4.85819		4
21	0	25	15	55		0	14	1	6	59		3	23	4.85815		4
22	0	26	16	9		0	15	1	3	36		3	24	4.85811		4
23	0	27	16	24		0	15	1	0	12		3	26	4.85807		4
24	0	28	16	39		0	15	0	56	46		3	27	4.85803		5
25	0	29	16	54		0	16	0	53	19		3	27	4.85798		4
26	1	0	17	10		0	17	0	49	52		3	29	4.85794		4
27	1	1	17	27		0	18	0	46	23		3	30	4.85790		4
28	1	2	17	45		0	19	0	42	53		3	30	4.85786		5
29	1	3	18	4		0	19	0	39	23		3	30	4.85781		4
30	1	4	18	23				0	35	53				4.85777		

# Tabulæ Aphrodimetricæ.

Tabula XVIII, Longitudinis mediæ Q ad hos annos :

Anomaliz mediæ Signa IV.																	
G	S	Longitudo ♀ à * Y				Differencia Add.			Inclinatio M. A.			Differencia Sub.			Distantia à cur. Logarit.		Diff Sub.
		o	l	ll		o	l	ll	o	l	ll	o	l	ll			
0	I	4	18	23	I	0	20	0	35	53	0	3	32	4.85777		4	
1	I	5	18	43		0	21	0	32	21		3	32	4.85773		4	
2	I	6	19	4		0	21	0	28	49		3	33	4.85769		5	
3	I	7	19	25		0	23	0	25	16		3	34	4.85764		4	
4	I	8	19	48		0	23	0	21	42		3	34	4.85760		4	
5	I	9	20	11		0	23	0	18	8		3	35	4.85756		4	
6	I	10	20	34		0	24	0	14	33		3	35	4.85752		5	
7	I	11	20	58		0	24	0	10	58		3	35	4.85747		4	
8	I	12	21	22		0	26	0	7	23		3	34	4.85743		4	
9	I	13	21	48		0	26	0	3	49		3	35	4.85739		4	
10	I	14	22	14		0	27	0	0	14		3 <sup>Ad</sup>	36	4.85735		4	
11	I	15	22	41		0	27	0	3	22		3	35	4.85731		4	
12	I	16	23	8		0	29	0	6	57		3	34	4.85727		4	
13	I	17	23	37		0	29	0	10	31		3	35	4.85723		4	
14	I	18	24	6		0	30	0	14	6		3	35	4.85719		5	
15	I	19	24	36		0	30	0	17	41		3	34	4.85714		4	
16	I	20	25	6		0	31	0	21	15		3	35	4.85710		4	
17	I	21	25	37		0	32	0	24	50		3	34	4.85706		4	
18	I	22	26	9		0	33	0	28	24		3	33	4.85702		4	
19	I	23	26	42		0	33	0	21	57		3	33	4.85698		4	
20	I	24	27	15		0	34	0	35	30		3	32	4.85694		4	
21	I	25	27	49		0	34	0	39	2		3	31	4.85690		4	
22	I	26	28	23		0	35	0	42	33		3	30	4.85686		4	
23	I	27	28	58		0	36	0	46	3		3	30	4.85682		4	
24	I	28	29	34		0	36	0	49	33		3	29	4.85679		4	
25	I	29	30	10		0	37	0	53	2		3	28	4.85675		4	
26	2	0	30	47		0	37	0	56	30		3	27	4.85671		4	
27	2	1	31	24		0	38	0	59	57		3	25	4.85667		4	
28	2	2	32	2		0	39	I	3	22		3	25	4.85664		3	
29	2	3	32	41		0	39	I	6	47		3	23	4.85660		4	
30	2	4	33	20				I	10	10				4.85656		4	

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos:

Anomaliz mediæ Signa V.																
G	Longitudo Q à * Y				Differentia Add.			Inclinatio S. A.			Differentia Add.			Diffantia à ☼ cur. Logarit.		Diff. Sub.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	2	4	33	20	I	0	40	I	10	10	0	3	24	4.85656	3	
1	2	5	34	0		0	42	I	13	34	0	3	21	4.85653	4	
2	2	6	34	42		0	42	I	16	55	3	18		4.85649	3	
3	2	7	35	24		0	41	I	20	13	3	17		4.85646	4	
4	2	8	36	5		0	42	I	23	30	3	16		4.85642	3	
5	2	9	36	47		0	43	I	26	46	3	16		4.85639	4	
6	2	10	37	30		0	43	I	30	2	3	14		4.85635	3	
7	2	11	38	13		0	45	I	33	16	3	11		4.85632	3	
8	2	12	38	58		0	45	I	36	27	3	9		4.85629	3	
9	2	13	39	43		0	45	I	39	36	3	8		4.85626	3	
10	2	14	40	28		0	46	I	42	44	3	6		4.85623	3	
11	2	15	41	14		0	46	I	45	50	3	4		4.85620	3	
12	2	16	42	0		0	47	I	48	54	3	2		4.85617	3	
13	2	17	42	47		0	46	I	51	56	3	0		4.85614	3	
14	2	18	43	33		0	47	I	54	56	2	57		4.85611	2	
15	2	19	44	20		0	48	I	57	53	2	56		4.85609	3	
16	2	20	45	8		0	49	2	0	49	2	54		4.85606	3	
17	2	21	45	57		0	49	2	3	43	2	51		4.85603	2	
18	2	22	46	46		0	50	2	6	34	2	48		4.85601	3	
19	2	23	47	36		0	49	2	9	22	2	46		4.85598	2	
20	2	24	48	25		0	50	2	12	8	2	44		4.85596	2	
21	2	25	49	15		0	51	2	14	52	2	41		4.85594	2	
22	2	26	50	6		0	51	2	17	33	2	39		4.85592	3	
23	2	27	50	57		0	51	2	20	12	2	36		4.85589	1	
24	2	28	51	48		0	51	2	22	48	2	33		4.85588	2	
25	2	29	52	39		0	51	2	25	21	2	31		4.85586	2	
26	3	0	53	30		0	52	2	27	52	2	28		4.85584	2	
27	3	1	54	22		0	53	2	30	20	2	25		4.85582	1	
28	3	2	55	15		0	53	2	32	45	2	22		4.85581	2	
29	3	3	56	8		0	53	2	35	7	2	19		4.85579	1	
30	3	4	57	1				2	37	26				4.85578		

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos:

Anomaliz mediæ Signa VI.																
G	Longitudo ♀ à * Y				Differencia Add.			Inclinatio S. A.			Differencia Add.			Distantia à ☉ cur. Logarit.		Diff Sub.
	S	O	I	II	O	I	II	O	I	II	O	I	II	O	I	
0	3	4	57	1	I	0	53	2	37	26	0	2	17	4.85578	2	
1	3	5	57	54		0	54	2	39	43		2	13	4.85576	I	
2	3	6	58	48		0	53	2	41	56		2	10	4.85575	I	
3	3	7	59	41		0	54	2	44	6		2	7	4.85574	I	
4	3	9	0	35		0	53	2	46	13		2	4	4.85573	I	
5	3	10	1	28		0	54	2	48	17		2	1	4.85572	0	
6	3	11	2	22		0	54	2	50	18		I	58	4.85572	I	
7	3	12	3	16		0	55	2	52	16		I	55	4.85571	I	
8	3	13	4	11		0	54	2	54	11		I	51	4.85570	I	
9	3	14	5	5		0	54	2	56	2		I	48	4.85570	0	
10	3	15	5	59		0	54	2	57	50		I	45	4.85570	0	
11	3	16	6	53		0	55	2	59	35		I	41	4.85570	0	
12	3	17	7	48		0	54	3	1	16		I	38	4.85570	0	
13	3	18	8	42		0	55	3	2	54		I	34	4.85570	0	
14	3	19	9	37		0	54	3	4	28		I	31	4.85570	Ad.	
15	3	20	10	31		0	54	3	5	59		I	27	4.85570	I	
16	3	21	11	25		0	54	3	7	26		I	24	4.85571	I	
17	3	22	12	19		0	54	3	8	50		I	20	4.85571	I	
18	3	23	13	13		0	54	3	10	10		I	17	4.85572	I	
19	3	24	14	7		0	53	3	11	27		I	13	4.85572	I	
20	3	25	15	0		0	53	3	12	40		I	10	4.85574	I	
21	3	26	15	53		0	54	3	13	50		I	5	4.85575	I	
22	3	27	16	47		0	53	3	14	55		I	2	4.85576	I	
23	3	28	17	40		0	53	3	15	57		0	58	4.85577	2	
24	3	29	18	33		0	52	3	16	55		0	55	4.85579	I	
25	4	0	19	25		0	53	3	17	50		0	51	4.85580	2	
26	4	1	20	18		0	52	3	18	41		0	47	4.85582	2	
27	4	2	21	10		0	52	3	19	28		0	44	4.85584	2	
28	4	3	22	2		0	52	3	20	12		0	40	4.85586	2	
29	4	4	22	54		0	51	3	20	52		0	36	4.85588	2	
30	4	5	23	45				3	21	28				4.85590		

# Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ ♀ ad hos annos:

Anomaliz mediæ Signa VII.																
Longitudo ♀ à * Υ					Differentia Add.			Inclinatio S. A.			Differentia Add.			Distanzia à ☉ cur.		Diff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.	Ad.	
0	4	5	23	45	I	o	50	3	21	28	o.	o	32	4.85590	3	
1	4	6	24	35		o	50	3	22	o		o	29	4.85593	2	
2	4	7	25	25		o	50	3	22	29		o	24	4.85595	3	
3	4	8	26	15		o	49	3	22	53		o	20	4.85598	3	
4	4	9	27	4		o	49	3	23	13		o	17	4.85601	2	
5	4	10	27	53		o	49	3	23	30		o	13	4.85603	3	
6	4	11	28	42		o	48	3	23	43		o	9	4.85606	4	
7	4	12	29	30		o	47	3	23	52		o	5	4.85610	3	
8	4	13	30	17		o	46	3	23	D57		o	3	4.85613	3	
9	4	14	31	3		o	47	3	24	o	Q Sub.	4	4	4.85616	4	
10	4	15	31	50		o	46	3	23	56		o	6	4.85620	3	
11	4	16	32	36		o	45	3	23	50		o	9	4.85623	4	
12	4	17	33	21		o	44	3	23	41		o	13	4.85627	4	
13	4	18	34	5		o	43	3	23	28		o	17	4.85631	4	
14	4	19	34	48		o	44	3	23	11		o	21	4.85635	4	
15	4	20	35	32		o	42	3	22	50		o	26	4.85639	4	
16	4	21	36	14		o	41	3	22	24		o	30	4.85643	5	
17	4	22	36	55		o	41	3	21	54		o	32	4.85647	5	
18	4	23	37	36		o	40	3	21	22		o	36	4.85652	5	
19	4	24	38	16		o	39	3	20	46		o	40	4.85656	5	
20	4	25	38	55		o	39	3	20	6		o	44	4.85661	5	
21	4	26	39	34		o	38	3	19	22		o	48	4.85666	5	
22	4	27	40	12		o	36	3	18	34		o	52	4.85671	4	
23	4	28	40	48		o	37	3	17	42		o	55	4.85675	5	
24	4	29	41	25		o	35	3	16	47		o	58	4.85680	6	
25	5	o	42	o		o	34	3	15	49	I	2		4.85686	5	
26	5	1	42	34		o	34	3	14	47	I	5		4.85691	5	
27	5	2	43	8		o	34	3	13	42	I	10		4.85696	6	
28	5	3	43	41		o	33	3	12	32	I	13		4.85702	5	
29	5	4	44	13		o	32	3	11	19	I	16		4.85707	6	
30	5	5	44	44				3	10	3				4.85713		



## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos.

Anomaliz med Signa VIII.															
G	Longitudo ♀ à * Y				Differencia Add.			Inclinatio S. D.			Differencia Sub.			Distantia à cur. Logarit.	Diff Ad.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll		
0	5	5	44	44	I	0	29	3	10	3	0	1	20	4.85713	5
1	5	6	45	13		0	29	3	8	43		1	24	4.85718	6
2	5	7	45	42		0	28	3	7	19		1	27	4.85724	6
3	5	8	46	10		0	27	3	5	52		1	30	4.85730	6
4	5	9	46	37		0	26	3	4	22		1	34	4.85736	6
5	5	10	47	3		0	25	3	2	48		1	37	4.85742	6
6	5	11	47	28		0	24	3	1	11		1	41	4.85748	6
7	5	12	47	52		0	23	2	59	30		1	44	4.85754	6
8	5	13	48	15		0	22	2	57	46		1	46	4.85760	6
9	5	14	48	37		0	21	2	56	0		1	50	4.85766	7
10	5	15	48	58		0	20	2	54	10		1	54	4.85773	6
11	5	16	49	18		0	19	2	52	16		1	57	4.85779	6
12	5	17	49	37		0	17	2	50	19		2	0	4.85785	7
13	5	18	49	54		0	17	2	48	19		2	3	4.85792	6
14	5	19	50	11		0	15	2	46	16		2	5	4.85798	7
15	5	20	50	26		0	15	2	44	11		2	9	4.85805	6
16	5	21	50	41		0	13	2	42	2		2	12	4.85811	7
17	5	22	50	54		0	12	2	39	50		2	15	4.85818	6
18	5	23	51	6		0	12	2	37	35		2	15	4.85824	7
19	5	24	51	18		0	10	2	35	18		2	17	4.85831	7
20	5	25	51	28		0	9	2	32	58		2	20	4.85838	6
21	5	26	51	37		0	7	2	30	35		2	23	4.85844	7
22	5	27	51	44		0	6	2	28	9		2	29	4.85851	7
23	5	28	51	50		0	7	2	25	40		2	31	4.85858	7
24	5	29	51	57		0	4	2	23	9		2	33	4.85865	6
25	6	0	52	1		0	3	2	20	36		2	36	4.85871	7
26	6	1	52	4		0	3	2	18	0		2	40	4.85878	7
27	6	2	52	7		0	0	2	15	20		2	41	4.85885	7
28	6	3	52	7		0	0	2	12	39		2	43	4.85892	6
29	6	4	52	7	0	59	59	2	9	56		2	46	4.85898	7
30	6	5	52	6				2	7	10				5.85905	

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ ♀ ad hos annos.

Anomalie mediæ Signa IX.																
G	Longitudo ♀ à * Y				Differentia Add.			Inclinatio S. D.			Differentia Sub.			Distantia à cur. Logarith.		Diff Ad.
	o	l	l	l	o	l	ll	o	l	ll	o	l	ll	o	l	
0	6	5	52	6	59	58		2	7	10	0	2	48	4.85905		7
1	6	6	52	4	59	56		2	4	22	2	51		4.85912		6
2	6	7	52	0	59	56		2	1	31	2	52		4.85918		7
3	6	8	51	56	59	55		1	58	39	2	55		4.85925		7
4	6	9	51	51	59	55		1	55	44	2	56		4.85932		6
					59	53					2	56				
5	6	10	51	44	59	53		1	52	48	2	59		4.85938		7
6	6	11	51	37	59	50		1	49	49	3	0		4.85945		7
7	6	12	51	27	59	50		1	46	49	3	3		4.85952		6
8	6	13	51	17	59	50		1	43	46	3	4		4.85958		7
9	6	14	51	6	59	49		1	40	42	3	6		4.85965		6
					59	48					3	8				
10	6	15	50	54	59	47		1	37	36	3	8		4.85971		7
11	6	16	50	41	59	46		1	34	28	3	9		4.85978		6
12	6	17	50	27	59	45		1	31	19	3	11		4.85984		6
13	6	18	50	12	59	44		1	28	8	3	13		4.85990		7
14	6	19	49	56	59	44		1	24	55	3	13				
					59	42					3	14		4.85997		6
15	6	20	49	38	59	41		1	21	41	3	15		4.86003		6
16	6	21	49	19	59	41		1	18	26	3	16		4.86009		6
17	6	22	49	0	59	40		1	15	10	3	19		4.86015		6
18	6	23	48	40	59	40		1	11	51	3	20		4.86021		6
19	6	24	48	19	59	39		1	8	31	3	20		4.86027		6
					59	37					3	20				
20	6	25	47	56	59	38		1	5	11	3	22		4.86033		6
21	6	26	47	34	59	38		1	1	49	3	22		4.86039		6
22	6	27	47	10	59	36		0	58	27	3	24		4.86045		6
23	6	28	46	44	59	34		0	55	3	3	25		4.86051		5
24	6	29	46	18	59	34		0	51	38	3	25		4.86056		6
					59	32					3	25				
25	7	0	45	50	59	32		0	48	13	3	27		4.86062		5
26	7	1	45	22	59	32		0	44	46	3	27		4.86067		6
27	7	2	44	54	59	32		0	41	19	3	27		4.86073		5
28	7	3	44	24	59	30		0	37	52	3	29		4.86078		5
29	7	4	43	53	59	29		0	34	23	3	29		4.86083		5
					59	28										
30	7	5	43	21				0	30	54				4.86088		

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ Q ad hos annos.

Anomaliz mediæ Signa X.																
Longitudo ♀ à * Y					Differencia Add.			Inclinatio S. D.			Differencia Sub.			Distantia à cur. logarit.		Diff
G	S	O	I	II	O	I	II	O	I	II	O	I	II	O	I	Ad.
0	7	5	43	21	0	59	28	0	30	54	0	3	30	4.86088		5
1	7	6	42	49		59	27	0	27	24		3	30	4.86093		5
2	7	7	42	16		59	26	0	23	54		3	30	4.86098		5
3	7	8	41	42		59	25	0	20	24		3	30	4.86103		5
4	7	9	41	7		59	25	0	16	54		3	30	4.86108		5
5	7	10	40	32		59	25	0	13	22		3	32	4.86112		4
6	7	11	39	56		59	24	0	9	50		3	32	4.86117		5
7	7	12	39	19		59	23	0	6	19		3	31	4.86121		4
8	7	13	38	41		59	22	0	2	49		3	30	4.86126		5
9	7	14	38	2		59	21	0	0	M 43		3	Ad. 32	4.86130		4
						59	22			43		3	31	4.86134		4
10	7	15	37	24		59	20	0	4	14		3	30	4.86138		4
11	7	16	36	44		59	19	0	7	44		3	31	4.86142		4
12	7	17	36	3		59	19	0	11	15		3	31	4.86146		4
13	7	18	35	22		59	19	0	14	46		3	31	4.86150		4
14	7	19	34	41		59	19	0	18	17		3	30	4.86153		3
15	7	20	33	58		59	17	0	21	47		3	31	4.86157		4
16	7	21	33	15		59	17	0	25	18		3	29	4.86160		3
17	7	22	32	32		59	16	0	28	47		3	28	4.86163		3
18	7	23	31	48		59	15	0	32	15		3	28	4.86166		3
19	7	24	31	3		59	15	0	35	43		3	28	4.86169		3
20	7	25	30	18		59	15	0	39	11		3	26	4.86172		3
21	7	26	29	33		59	15	0	42	37		3	25	4.86175		3
22	7	27	28	47		59	14	0	46	2		3	26	4.86178		3
23	7	28	28	2		59	15	0	49	28		3	24	4.86180		2
24	7	29	27	15		59	13	0	52	52		3	23	4.86183		3
25	8	0	26	27		59	12	0	56	15		3	21	4.86185		2
26	8	1	25	40		59	12	0	59	36		3	22	4.86187		2
27	8	2	24	5		59	11	1	2	58		3	20	4.86189		2
28	8	3	24	3		59	11	1	6	18		3	19	4.86191		2
29	8	4	23	14		59	11	1	9	37		3	18	4.86193		2
30	8	5	22	25				1	12	55						

## Tabulæ Aphrodimetricæ.

Tabula XVIII. Longitudinis mediæ ♀ ad hos annos.

Anomaliz mediæ Signa XI.																
G	Longitudo ♀ à * Υ				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ☉ cur.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarit.		
0	8	5	22	25	59	11	1	12	55	0	3	16		4.86193	2	
1	8	6	21	36	59	11	1	16	11	3	15			4.86195	2	
2	8	7	20	47	59	10	1	19	26	3	12			4.86197	1	
3	8	8	19	57	59	10	1	22	38	3	12			4.86198	2	
4	8	9	19	7	59	10	1	25	50	3	11			4.86200	1	
5	8	10	18	17	59	9	1	29	1	3	9			4.86201	1	
6	8	11	17	26	59	10	1	32	10	3	6			4.86202	1	
7	8	12	16	36	59	9	1	35	16	3	6			4.86203	1	
8	8	13	15	45	59	9	1	38	22	3	4			4.86204	1	
9	8	14	14	54	59	9	1	41	26	3	1			4.86205	1	
10	8	15	14	3	59	9	1	44	27	3	0			4.86206	0	
11	8	16	13	12	59	8	1	47	27	2	58			4.86206	0	
12	8	17	12	20	59	9	1	50	25	2	56			4.86207	0	
13	9	18	11	29	59	9	1	53	21	2	54			4.86207	0	
14	8	19	10	38	59	8	1	56	15	2	52			4.86207	0	
15	8	20	9	46	59	8	1	59	7	2	50			4.86208	0	
16	8	21	8	54	59	9	2	1	57	2	48			4.86208	0	
17	8	22	8	3	59	9	2	4	45	2	46			4.86208	Sub.	
18	8	23	7	12	59	8	2	7	31	2	43			4.86208	1	
19	8	24	6	20	59	8	2	10	14	2	40			4.86207	0	
20	8	25	5	28	59	9	2	12	54	2	38			4.86207	0	
21	8	26	4	37	59	9	2	15	32	2	37			4.86206	0	
22	8	27	3	46	59	9	2	18	9	2	34			4.86206	0	
23	8	28	2	55	59	9	2	20	43	2	31			4.86205	0	
24	8	29	2	4	59	9	2	23	14	2	29			4.86205	1	
25	9	0	1	13	59	9	2	25	43	2	26			4.86204	1	
26	9	1	0	22	59	10	2	28	9	2	23			4.86203	1	
27	9	1	59	32	59	9	2	30	32	2	21			4.86202	1	
28	9	2	58	41	59	10	2	32	53	2	18			4.86201	1	
29	9	3	57	51	59	10	2	35	11	2	15			4.86200	1	
30	9	4	57	1			2	37	26					4.86199		

Ta-

## Tabulæ Hermometricæ.

Tabula XIX. Epocharum ☿ ad hos annos.

Anni expansi.						Anni collecti.					
Anni Christi		Anomalia ☿				Anni Christi		Anomalia ☿			
Stilo Gregor.		S.	G.	M.	S.	Chri sti.		S.	G.	M.	S.
R. millen.	1700	6	18	52	32	B	1705	3	21	28	39
	1800	8	27	17	0		1706	5	15	10	46
	1900	11	5	41	28		1707	7	8	52	53
	2000	1	18	11	28		1708	9	5	40	32
	1	1	23	42	7		1709	11	0	22	39
B	2	3	17	24	14	B	1710	0	24	4	46
	3	5	11	6	21		1711	2	17	46	53
	4	7	8	54	0		1712	4	15	14	32
	5	9	2	36	7		1713	6	9	16	39
	6	10	26	18	14		1714	8	2	58	46
B	7	0	20	0	21	B	1715	9	26	40	53
	8	2	17	48	0		1716	11	24	28	32
	9	4	11	30	7		1717	1	18	10	39
	10	6	5	12	14		1718	3	11	52	46
	11	7	28	54	21		1719	5	5	34	53
B	12	9	26	42	0	B	1720	7	3	22	32
	13	11	20	24	7		1721	8	27	4	39
	14	1	14	6	14		1722	10	20	46	46
	15	3	7	48	21		1723	0	14	28	53
	16	5	5	36	0		1724	2	12	16	32
B	17	6	29	18	7	B	1725	4	5	58	39
	18	8	23	0	14		1726	5	29	40	46
	19	10	16	42	21		1727	7	23	21	53
	20	0	14	30	0		1728	9	21	10	32
	40	0	29	0	0		1729	11	14	52	39
B	60	1	13	30	0	B	1730	1	8	34	46
B	80	1	28	0	0		1731	3	2	16	53
B	100	2	12	30	0		1732	5	0	4	32
B	200	4	25	0	0		1733	6	23	46	39
B	300	7	7	30	0		1734	8	17	28	46
B	400	9	20	0	0	B	1735	10	11	10	53
B	500	0	2	30	0		1736	10	8	58	32

Ta.

## Tabulæ Hermometricæ.

Tabula XIX. Epocharum ☿ ad hos annos.

Anni collecti.				
Anni Christi		Anomalia ☿		
	S.	G.	M.	S.
	1737	2	2	40 3
	1738	3	26	22 46
	1739	5	20	4 53
B	1740	7	17	52 32
	1741	9	11	34 39
	1742	11	5	16 46
	1743	0	28	58 53
B	1744	2	26	46 32
	1745	4	20	28 39
	1746	6	14	10 46
	1747	8	7	52 53
B	1748	10	5	40 32
	1749	11	29	22 39
	1750	1	23	4 46
	1751	3	16	46 53
B	1752	5	14	34 32
	1753	7	8	16 39
	1754	9	1	58 46
	1755	10	25	40 53
B	1756	0	23	28 32
	1757	2	17	10 39
	1758	4	10	52 46
	1759	6	4	34 53
B	1760	8	2	22 32
	1761	9	26	4 39
	1762	11	19	46 46
	1763	1	13	28 53
B	1764	3	11	16 32
B	1765	5	4	58 39
B	1766	6	28	40 46
B	1767	8	22	22 53
B	1768	10	20	10 32

Anni collecti.				
Anni Christi		Anomalia ☿		
	S.	G.	M.	S.
	1769	0	13	52 39
	1770	2	7	34 46
	1771	4	1	16 53
B	1772	5	29	4 32
	1773	7	22	46 39
	1774	9	16	28 46
	1775	11	10	10 53
B	1776	1	7	58 32
	1777	3	1	40 39
	1778	4	25	22 46
	1779	6	19	4 53
B	1780	8	16	52 32
	1781	10	10	34 39
	1782	0	4	16 46
	1783	1	27	58 53
B	1784	3	25	46 32
	1785	5	19	28 39
	1786	7	13	10 46
	1787	9	6	52 53
B	1788	11	4	40 32
	1789	0	28	22 39
	1790	2	22	4 46
	1791	4	15	46 53
B	1792	6	13	34 32
	1793	8	7	16 39
	1794	10	0	58 46
	1795	11	24	40 53
B	1796	1	22	28 32
	1797	3	16	10 39
	1798	5	9	52 46
	1799	7	3	34 53
	1800	8	27	17 0

## Tabulæ Hermometricæ.

Tabula XX.

Tabula XXI.

Menfes communes			Anomalia					Anomalia				Anomalia								
Menfes	Anomalia		Dies	S.	G.	M.	S.	H	G.	M.	S.	M	M.	S.	T.					
Completi	S.	G.	M.	M.	S.				M.	M.	S.	T.	S	S.	T.	Q.				
Januarius	4	6	51	44				2	0	8	11	5	1	0	10	14	31	5	17	9
Februarius	8	1	26	52				3	0	12	16	37	2	0	20	28	32	5	27	23
Martius	0	8	18	36				4	0	16	22	10	3	0	30	42	33	5	37	37
Aprilis	4	11	4	48				5	0	20	27	42	4	0	40	55	34	5	47	51
Majus	8	17	56	33				6	0	24	33	14	5	0	51	9	35	5	58	5
Junius	0	20	42	45				7	0	28	38	47	6	1	1	23	36	6	8	19
Julius	4	27	34	29				8	1	2	44	19	7	1	11	37	37	6	18	32
Augustus	9	4	26	14				9	1	6	49	52	8	1	21	51	38	6	28	46
Septemb.	1	7	12	26				10	1	10	55	24	9	1	32	5	39	6	39	0
October	5	14	4	10				11	1	15	0	56	10	1	42	18	40	6	49	14
Novemb.	9	16	50	22				12	1	19	6	29	11	1	52	32	41	6	59	28
Decemb.	1	23	42	7				13	1	23	12	1	12	2	2	46	42	7	9	42
Menfes	Billexiles							14	1	27	17	34	13	2	13	0	43	7	19	56
Menfes	Anomalia							15	2	1	23	6	14	2	23	14	44	7	30	9
Completi	S.	G.	M.	S.				16	2	5	28	38	15	2	33	28	45	7	40	23
Januarius	4	6	51	44				17	2	9	34	11	16	2	43	42	46	7	50	37
Februarius	8	5	32	24				18	2	13	39	43	17	2	53	55	47	8	0	51
Martius	0	12	24	8				19	2	17	45	16	18	3	4	9	48	8	11	5
Aprilis	4	15	10	20				20	2	21	50	48	19	3	14	23	49	8	21	19
Majus	8	22	2	5				21	2	25	56	20	20	3	24	37	50	8	31	32
Junius	0	24	48	17				22	3	0	1	53	21	3	34	51	51	8	41	46
Julius	5	1	40	1				23	3	4	7	25	22	3	45	5	52	8	52	0
Augustus	9	8	31	46				24	3	8	12	58	23	3	55	19	53	9	2	14
Septemb.	1	11	17	58				25	3	12	18	30	24	4	5	32	54	9	12	28
October	5	18	9	42				26	3	16	24	2	25	4	15	46	55	9	22	42
Novemb.	9	20	55	54				27	3	20	29	35	26	4	26	0	56	9	32	56
Decemb.	1	27	47	39				28	3	24	35	7	27	4	36	14	57	9	43	9
								29	3	28	40	40	28	4	46	28	58	9	53	23
								30	4	2	46	12	29	4	56	42	59	10	3	37
								31	4	6	51	44	30	5	6	55	60	10	13	51

## Tabulæ Hermometricæ.

Tabula XXII. Longitudinis mediæ ☿

Anomaliz mediæ Signa O.																
G	Longitudo ♀ à * Y				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ☿ cur. Logarit.		Diff Sub.
	o	l	ll		o	l	ll	o	l	ll	o	l	ll			
0	7	13	37	38	0	40	12	3	18	21	0	4	14	4.66844		4
1	7	14	17	50		40	14	3	22	35		4	13	4.66840		6
2	7	14	58	4		40	14	3	26	48		4	10	4.66834		7
3	7	15	38	18		40	16	3	30	58		4	10	4.66827		9
4	7	16	18	34		40	16	3	35	8		4		4.66818		
						40	16					4	7	4.66808		10
5	7	16	58	50		40	16	3	39	15		4	7	4.66796		12
6	7	17	39	6		40	18	3	43	22		4	4	4.66782		14
7	7	18	19	24		40	21	3	47	26		4	3	4.66767		15
8	7	18	59	45		40	21	3	51	29		4	1	4.66751		16
9	7	19	40	6		40	23	3	55	30		3	59	4.66733		18
10	7	20	20	29		40	25	3	59	29		3	57	4.66713		20
11	7	21	0	54		40	27	4	3	26		3	55	4.66692		21
12	7	21	41	21		40	30	4	7	21		3	53	4.66669		23
13	7	22	21	51		40	32	4	11	14		3	52	4.66644		25
14	7	23	2	23		40	35	4	15	6		3	50	4.66618		26
15	7	23	42	58		40	37	4	18	56		3	48	4.66590		28
16	7	24	23	35		40	39	4	22	44		3	46	4.66561		29
17	7	25	4	14		40	44	4	26	30		3	43	4.66530		31
18	7	25	44	58		40	46	4	30	13		3	42	4.66498		32
19	7	26	25	44		40	50	4	33	55		3	41	4.66464		34
20	7	27	6	34		40	53	4	37	36		3	38	4.66428		36
21	7	27	47	27		40	58	4	41	14		3	36	4.66391		37
22	7	28	28	25		41	1	4	44	50		3	33	4.66352		39
23	7	29	9	26		41	5	4	48	23		3	32	4.66312		40
24	7	29	50	31		41	9	4	51	55		3	29	4.66270		42
25	8	0	31	40		41	14	4	55	24		3	28	4.66227		43
26	8	1	12	54		41	18	4	58	52		3	26	4.66182		45
27	8	1	54	12		41	23	5	2	18		3	23	4.66135		47
28	8	2	35	35		41	28	5	5	41		3	21	4.66087		48
29	8	3	17	3		41	33	5	9	2		3	18	4.66037		50
30	8	3	58	36				5	12	20						

Ta-



## Tabulæ Hermometricæ.

## Tabula XXII. Longitudinis mediæ ☿

Anomaliz mediæ Signa I.																
Longitudo ☿ à * Y					Differencia Add.			Inclinatio M. D.			Differencia Add.			Distantia à ☿ cur. Logarit.		Diff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			Sub
0	8	3	58	36	0	41	40	5	12	20	0	3	15	4.66037		51
1	8	4	40	16		41	45	5	15	35		3	14	4.65986		53
2	8	5	22	1		41	50	5	18	49		3	12	4.65933		54
3	8	6	3	51		41	56	5	22	1		3	9	4.65879		56
4	8	6	45	47		42	3	5	25	10		3	7	4.65823		57
5	8	7	27	50		42	8	5	28	17		3	4	4.65766		59
6	8	8	9	58		42	17	5	31	21		3	2	4.65707		61
7	8	8	52	15		42	22	5	34	23		2	58	4.65646		62
8	8	9	34	37		42	29	5	37	21		2	56	4.65584		64
9	8	10	17	6		42	35	5	40	17		2	54	4.65520		65
10	8	10	59	41		42	43	5	43	11		2	52	4.65455		67
11	8	11	42	24		42	51	5	46	3		2	47	4.65388		68
12	8	12	25	15		43	0	5	48	50		2	46	4.65320		70
13	8	13	8	15		43	7	5	51	36		2	43	4.65250		71
14	8	13	51	22		43	15	5	54	19		2	40	4.65179		73
15	8	14	34	37		43	24	5	56	59		2	37	4.65106		75
16	8	15	18	1		43	32	5	59	36		2	34	4.65031		75
17	8	16	1	33		43	41	6	2	10		2	31	4.64956		78
18	8	16	45	14		43	50	6	4	41		2	28	4.64878		80
19	8	17	29	4		44	0	6	7	9		2	25	4.64798		80
20	8	18	13	4		44	11	6	9	34		2	23	4.64718		82
21	8	18	57	15		44	20	6	11	57		2	19	4.64636		83
22	8	19	41	35		44	30	6	14	16		2	15	4.64553		86
23	8	20	26	5		44	40	6	16	31		2	13	4.64467		86
24	8	21	10	45		44	51	6	18	44		2	9	4.64381		88
25	8	21	55	36		45	1	6	20	53		2	5	4.64293		90
26	8	22	40	37		45	13	6	22	58		2	1	4.64203		91
27	8	23	25	50		45	24	6	24	59		1	59	4.64112		93
28	8	24	11	14		45	37	6	26	58		1	55	4.64019		95
29	8	24	56	51		45	48	6	28	53		1	52	4.63924		95
30	8	25	42	39				6	30	45				4.63829		

## Tabulæ Hermometricæ.

Tabula XXII. Longitudinis medix ☿

Anomalix medix Signa II.

G	Longitudo ☿ à * Y			Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ☿ cur. Logarit.		Diff Sub.	
	o	l	ll	o	l	ll	o	l	ll	o	l	ll				
0	8	25	42	39	0	46	0	6	30	45	0	1	49	4.63829	98	
1	8	26	28	39		46	12	6	32	34	1	44	4.63731		99	
2	8	27	14	51		46	26	6	34	16	1	40	4.63632		100	
3	8	28	1	17		46	40	6	35	56	1	37	4.63532		102	
4	8	28	47	57		46	52	6	37	33	1	33	4.63430		103	
5	8	29	34	49		47	5	6	39	6	1	28	4.63327		105	
6	9	0	21	54		47	20	6	40	34	1	24	4.63222		106	
7	9	1	9	14		47	36	6	41	58	1	20	4.63116		108	
8	9	1	56	48		47	49	6	43	18	1	15	4.63008		109	
9	9	2	44	37		48	3	6	44	33	1	11	4.62899		111	
10	9	3	32	40		48	20	6	45	44	1	7	4.62788		112	
11	9	4	21	0		48	33	6	46	51	1	3	4.62676		114	
12	9	5	9	33		48	49	6	47	54	0	58	4.62562		115	
13	9	5	58	22		49	7	6	48	52	0	53	4.62447		117	
14	9	6	47	29		49	22	6	49	45	0	48	4.62330		118	
15	9	7	36	51		49	39	6	50	33	0	44	4.62212		119	
16	9	8	26	30		49	56	6	51	17	0	38	4.62093		121	
17	9	9	16	26		50	13	6	51	55	0	34	4.61972		123	
18	9	10	6	39		50	31	6	52	29	0	28	4.61849		124	
19	9	10	57	10		50	50	6	52	57	0	24	4.61725		125	
20	9	11	48	0		51	7	6	53	21	0	17	4.61600		127	
21	9	12	39	7		51	27	6	53	38	0	13	4.61473		128	
22	9	13	30	34		51	46	6	53	51	0	6	4.61345		129	
23	9	14	22	20		52	4	6	53	57	0	2	4.61216		131	
24	9	15	14	24		52	25	6	53	A 59	0	S 4	4.61085		132	
25	9	16	6	49		52	44	6	53	55	0	10	4.60953		134	
26	9	16	59	33		53	5	6	53	45	0	17	4.60819		134	
27	9	17	52	38		53	27	6	53	28	0	23	4.60685		137	
28	9	18	46	5		53	47	6	53	5	0	29	4.60548		137	
29	9	19	39	52		54	9	6	52	36	0	34	4.60411		139	
30	9	20	34	1				6	52	2				4.60272		

Ta-

## Tabulæ Hermometricæ.

Tabula XXII. Longitudini mediz ☿

Anomaliz mediz Signa III.

Longitudo ☿ à * Y					Differentia Ald.			Inclinatio M. A.			Differentia Sub.			Distanzia à ☿ cur. Logarit.		Diff
G	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll			Sub.
0	9	20	34	1	0	54	30	6	52	2	0	0	41	4.60272		140
1	9	21	28	31		54	54	6	51	21	0	0	48	4.60132		141
2	9	22	23	25		55	15	6	50	33	0	0	55	4.59991		143
3	9	23	18	40		55	38	6	49	38	1	1		4.59848		144
4	9	24	14	18		56	2	6	48	37	1	8		4.59704		145
5	9	25	10	20		56	25	6	47	29	1	15		4.59559		146
6	9	26	6	45		56	49	6	46	14	1	23		4.59413		147
7	9	27	3	34		57	13	6	44	51	1	29		4.59266		149
8	9	28	0	47		57	39	6	43	22	1	37		4.59117		150
9	9	28	58	26		58	4	6	41	45	1	45		4.58967		150
10	9	29	56	30		58	29	6	40	0	1	52		4.58817		152
11	10	0	54	59		58	55	6	38	8	2	1		4.58665		153
12	10	1	53	54		59	20	6	36	7	2	8		4.58512		154
13	10	2	53	14		59	47	6	33	59	2	16		4.58358		155
14	10	3	53	1	I	0	15	6	31	43	2	25		4.58203		155
15	10	4	53	16		0	40	6	29	18	2	33		4.58048		157
16	10	5	53	56		1	9	6	26	45	2	41		4.57891		157
17	10	6	55	5		1	37	6	24	4	2	50		4.57734		158
18	10	7	56	42		2	4	6	21	14	2	57		4.57576		160
19	10	8	58	46		2	33	6	18	17	3	8		4.57416		160
20	10	10	1	19		3	2	6	15	9	3	17		4.57256		160
21	10	11	4	21		3	32	6	11	52	3	26		4.57096		161
22	10	12	7	53		4	1	6	8	26	3	35		4.56935		162
23	10	13	11	54		4	30	6	4	51	3	45		4.56773		162
24	10	14	16	24		5	0	6	1	6	3	53		4.56611		163
25	10	15	21	24		5	30	5	57	13	4	3		4.56448		163
26	10	16	26	54		6	1	5	53	10	4	13		4.56285		164
27	10	17	32	55		6	32	5	48	57	4	22		4.56121		164
28	10	18	39	27		7	3	5	44	35	4	33		4.55957		165
29	10	19	46	30		7	34	5	40	2	4	41		4.55792		164
30	10	20	54	4				5	35	21				4.55628		

Q 2

Ta.

## Tabulæ Hermometricæ.

## Tabula XVIII. Longitudinis mediæ ☿

Anomalie mediæ Signa IV.																
G	Longitudo ☿ à * Y				Differentia Add.			Inclinatio M. A.			Differentia Sub.			Distantia à ☿ cur.		Diff Sub
	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarit.		
0	10	20	54	4	I	8	6	5	35	21	O	4	53	4.55628	165	
1	10	22	2	10		8	38	5	30	28		5	3	4.55463		165
2	10	23	10	48		9	10	5	25	25		5	13	4.55298		164
3	10	24	19	58		9	41	5	20	12		5	23	4.55134		165
4	10	25	29	39		10	14	5	14	49		5	34	4.54969		165
5	10	26	39	53		10	47	5	9	15		5	43	4.54804		164
6	10	27	50	40		11	18	5	3	32		5	54	4.54640		165
7	10	29	1	58		11	51	4	57	38		6	5	4.54475		164
8	11	0	13	49		12	25	4	51	33		6	15	4.54311		163
9	11	1	26	14		12	58	4	45	18		6	26	4.54148		163
10	11	2	39	12	13	30	4	38	52	6	37	4.53985	162			
11	11	3	52	42	14	4	4	32	15	6	46	4.53823	162			
12	11	5	6	46	14	37	4	25	29	6	58	4.53661	161			
13	11	6	21	23	15	9	4	18	31	7	7	4.53500	160			
14	11	7	36	32	15	43	4	11	24	7	18	4.53340	160			
15	11	8	52	15	16	16	4	4	6	7	29	4.53181	159			
16	11	10	8	31	16	49	3	56	37	7	38	4.53023	158			
17	11	11	25	20	17	22	3	48	59	7	50	4.52866	157			
18	11	12	42	42	17	56	3	41	9	8	0	4.52710	156			
19	11	14	0	38	18	27	3	33	9	8	9	4.52555	155			
20	11	15	19	5	19	0	3	25	0	8	19	4.52402	153			
21	11	16	38	5	19	33	3	16	41	8	29	4.52251	151			
22	11	17	57	38	20	4	3	8	12	8	39	4.52101	150			
23	11	19	17	42	20	36	2	59	33	8	47	4.51953	148			
24	11	20	38	18	21	8	2	50	46	8	56	4.51807	146			
25	11	21	59	26	21	39	2	41	50	9	7	4.51663	144			
26	11	23	21	5	22	11	2	32	43	9	14	4.51521	142			
27	11	24	43	16	22	42	2	23	29	9	23	4.51381	140			
28	11	26	5	58	23	11	2	14	6	9	31	4.51243	138			
29	11	27	29	9	23	41	2	4	-35	9	39	4.51108	135			
30	11	28	52	50			1	54	56				4.50975	133		

## Tabula Hermometrica.

Tabula XXII. Longitudinis mediæ ☿

Anomalix mediæ Signa V.																
G	Longitudo ☿ à * Υ				Diferencia Add.			Inclinatio M. A.			Diferencia Sub.			Distantia à ☿ cur.		Diff Sub.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.		
0	II	28	52	50	I	24	10	I	54	56	0	9	46	+50975	130	
1	0	0	17	0		24	39	I	45	10		9	54	+50845	127	
2	0	1	41	39		25	8	I	35	16		10	0	+50718	124	
3	0	3	6	47		25	35	I	25	16		10	7	+50594	122	
4	0	4	32	22		26	3	I	15	9		10	12	+50472	118	
5	0	5	58	25		26	29	I	4	57		10	18	+50354	115	
6	0	7	24	54		26	55	0	54	39		10	24	+50239	112	
7	0	8	51	49		27	20	0	44	15		10	29	+50127	108	
8	0	10	19	9		27	46	0	33	46		10	32	+50019	105	
9	0	11	46	55		28	8	0	23	14		10	36	+49914	101	
10	0	13	15	3		28	32	0	12	38		10	39	+49813	98	
11	0	14	43	35		28	55	0	1	59		10	A43	+49715	93	
12	0	16	12	30		29	15	0	8	44		10	44	+49622	90	
13	0	17	41	45		29	36	0	19	28		10	47	+49532	85	
14	0	19	11	21		29	55	0	30	15		10	47	+49447	81	
15	0	20	41	16		30	14	0	41	2		10	47	+49366	77	
16	0	22	11	30		30	32	0	51	49		10	48	+49289	73	
17	0	23	42	2		30	48	I	2	37		10	47	+49216	68	
18	0	25	12	50		31	4	I	13	24		10	47	+49148	64	
19	0	26	43	54		31	19	I	24	11		10	44	+49084	59	
20	0	28	15	13		31	32	I	34	55		10	41	+49025	55	
21	0	29	46	45		31	45	I	45	36		10	39	+48970	50	
22	I	1	18	30		31	56	I	56	15		10	35	+48920	45	
23	I	2	50	26		32	6	2	6	50		10	31	+48875	40	
24	I	4	22	32		32	15	2	17	21		10	25	+48835	35	
25	I	5	54	47		32	23	2	27	46		10	21	+48800	30	
26	I	7	27	10		32	31	2	38	7		10	15	+48770	25	
27	I	8	59	41		32	35	2	48	22		10	7	+48745	20	
28	I	10	32	16		32	39	2	58	29		10	0	+48725	15	
29	I	12	4	55		32	43	3	8	29		9	52	+48710	9	
30	I	13	37	38				3	18	21				+48701		

## Tabulæ Hermometricæ.

## Tabula XXII. Longitudinis mediæ ☿

## Anomaliz mediæ Signa VI.

G	Longitudo ☿ à * Y				Differentia Add.			Inclinatio S. A.			Differentia Add.			Distantia à ☿ cur.		Diff
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	Logarit.	Sub.	
0	1	13	37	38	1	32	45	3	18	21	0	9	43	4.48701		5
1	1	15	10	23		32	45	3	28	4		9	35	4.48696	A. 1	
2	1	16	43	8		32	44	3	37	39		9	26	4.48697		6
3	1	18	15	52		32	43	3	47	5		9	15	4.48703		11
4	1	19	48	35		32	39	3	56	20		9	4	4.48714		16
5	1	21	21	14		32	34	4	5	24		8	54	4.48730		22
6	1	22	53	48		32	29	4	14	18		8	41	4.48752		27
7	1	24	26	17		32	23	4	22	59		8	30	4.48779		32
8	1	25	58	40		32	15	4	31	29		8	17	4.48811		37
9	1	27	30	55		32	5	4	39	46		8	4	4.48848		42
10	1	29	3	0		31	53	4	47	50		7	50	4.48890		48
11	2	0	34	53		31	43	4	55	40		7	38	4.48938		52
12	2	2	6	36		31	30	5	3	18		7	25	4.48990		57
13	2	3	38	6		31	15	5	10	43		7	8	4.49047		63
14	2	5	9	21		31	0	5	17	51		6	55	4.49110		67
15	2	6	40	21		30	44	5	24	46		6	39	4.49177		72
16	2	8	11	5		30	27	5	31	25		6	25	4.49249		76
17	2	9	41	32		30	6	5	37	50		6	10	4.49325		82
18	2	11	11	38		29	48	5	44	0		5	53	4.49407		86
19	2	12	41	26		29	28	5	49	53		5	40	4.49493		90
20	2	14	10	54		29	6	5	55	33		5	21	4.49583		95
21	2	15	40	0		28	43	6	0	54		5	7	4.49678		99
22	2	17	8	43		28	19	6	6	1		4	51	4.49777		104
23	2	18	37	2		27	56	6	10	52		4	36	4.49881		107
24	2	20	4	58		27	30	6	15	28		4	18	4.49988		112
25	2	21	32	28		27	4	6	19	46		4	4	4.50100		115
26	2	22	59	32		26	36	6	23	50		3	46	4.50215		119
27	2	24	26	8		26	9	6	27	36		3	32	4.50334		123
28	2	25	52	17		25	40	6	31	8		3	15	4.50457		126
29	2	27	17	57		25	13	6	34	23		3	0	4.50583		130
30	2	28	43	10				6	37	23				4.50713		

## Tabulæ Hermometricæ.

## Tabula XIX. Longitudinis mediæ ☿

## Anomaliz Mediæ Signa VII.

G	Longitudo ☿ λ * Υ				Differentia Add.			Inclinatio S. A.			Differentia Add.			Distantia λ ☿ cur. Logarit.		Diff Ad.
	S	o	l	ll	o	l	ll	o	l	ll	o	l	ll	o	l	
0	2	28	43	10	1	24	42	6	37	23	0	2	45	4.50713		
1	3	0	7	52	24	11		6	40	8	2	28		4.50846	133	
2	3	1	32	3	23	43		6	42	36	2	14		4.50982	136	
3	3	2	55	46	23	10		6	44	50	1	59		4.51121	139	
4	3	4	18	56	22	37		6	46	49	1	43		4.51263	142	
5	3	5	41	33	22	5		6	48	32	1	29		4.51408	145	
6	3	7	3	38	21	31		6	50	1	1	14		4.51555	147	
7	3	8	25	9	21	0		6	51	15	1	0		4.51705	150	
8	3	9	46	9	20	25		6	52	15	0	47		4.51858	153	
9	3	11	6	34	19	51		6	53	2	0	32		4.52012	154	
10	3	12	26	25	19	19		6	53	34	0	19		4.52169	157	
11	3	13	45	44	18	44		6	53	D 53	0	7		4.52328	159	
12	3	15	4	28	18	8		6	54	0	0	8		4.52488	160	
13	3	16	22	36	18			6	53	52	0	20		4.52651	163	
14	3	17	40	10	17	34		6	53	32	0	32		4.52814	163	
15	3	18	57	10	17	0		6	53	0	0	44		4.52980	166	
16	3	20	13	35	16	25		6	52	16	0	56		4.53147	167	
17	3	21	29	23	15	48		6	51	20	0	56		4.53315	168	
18	3	22	44	37	15	14		6	50	13	1	7		4.53484	169	
19	3	23	59	16	14	39		6	48	55	1	18		4.53654	170	
20	3	25	13	19	14	3		6	47	25	1	30		4.53826	172	
21	3	26	26	48	13	29		6	45	45	1	40		4.53998	172	
22	3	27	39	42	12	54		6	43	55	1	50		4.54170	172	
23	3	28	52	1	12	19		6	41	55	2	0		4.54343	173	
24	4	0	3	45	11	44		6	39	47	2	8		4.54517	174	
25	4	1	14	55	11	10		6	37	27	2	20		4.54691	174	
26	4	2	25	30	10	35		6	34	59	2	28		4.54866	175	
27	4	3	35	30	10	0		6	32	23	2	36		4.55041	175	
28	4	4	44	56	9	26		6	29	38	2	45		4.55215	174	
29	4	5	53	48	8	52		6	26	46	2	52		4.55390	175	
30	4	7	2	8	8	20		6	23	45	3	1		4.55565	175	

## Tabulæ Hermometricæ.

## Tabula XXII. Longitudinis mediz ☿

Anomaliz mediz Signa VIII.																
G	Longitudo ☿ à * Y				Differencia Add.			Inclinatio S. D.			Differencia Sub.			Distantia à ☿ cur. Logarit.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II			
0	4	7	2	8	I	7	45	6	23	45	O	3	9	4.55565	175	
1	4	8	9	53		7	11	6	20	36		3	14	4.55740	174	
2	4	9	17	4		6	40	6	17	22		3	23	4.55914	174	
3	4	10	23	44		6	5	6	13	59		3	29	4.56088	174	
4	4	11	29	49		5	34	6	10	30		3	36	4.56262	173	
5	4	12	35	23		5	2	6	6	54		3	41	4.56435	173	
6	4	13	40	25		4	29	6	3	13		3	48	4.56608	172	
7	4	14	44	54		3	58	5	59	25		3	52	4.56780	172	
8	4	15	48	52		3	29	5	55	33		3	59	4.56952	171	
9	4	16	52	21		2	56	5	51	34		4	4	4.57123	170	
10	4	17	55	17		2	27	5	47	30		4	8	4.57293	169	
11	4	18	57	44		1	55	5	43	22		4	14	4.57462	168	
12	4	19	59	39		1	26	5	39	8		4	17	4.57630	168	
13	4	21	1	5		0	57	5	34	51		4	22	4.57798	166	
14	4	22	2	2		0	28	5	30	29		4	26	4.57964	166	
15	4	23	2	30		0	1	5	26	3		4	30	4.58130	164	
16	4	24	2	31		59	32	5	21	33		4	34	4.58294	163	
17	4	25	2	3		59	2	5	16	59		4	37	4.58457	162	
18	4	26	1	5		58	37	5	12	22		4	40	4.58619	161	
19	4	26	59	42		58	10	5	7	42		4	44	4.58780	160	
20	4	27	57	52		57	43	5	2	58		4	48	4.58940	158	
21	4	28	55	35		57	17	4	58	10		4	49	4.59098	158	
22	4	29	52	52		56	52	4	53	21		4	53	4.59256	156	
23	5	0	49	44		56	25	4	48	28		4	55	4.59412	154	
24	5	1	46	9		56	0	4	43	33		4	57	4.59566	153	
25	5	2	42	9		55	38	4	38	36		4	59	4.59719	152	
26	5	3	37	47		55	10	4	33	37		5	1	4.59871	150	
27	5	4	32	57		54	51	4	28	36		5	4	4.60021	149	
28	5	5	27	48		54	26	4	23	32		5	5	4.60170	147	
29	5	6	22	14		54	2	4	18	27		5	8	4.60317	146	
30	5	7	16	16				4	13	19				4.60463		



## Tabulæ Hermometricæ.

Tabula XXII. Longitudinis mediæ ☿

Anomalie mediæ Signa IX.

G	Longitudo ☿ à * Y				Differentia Add.			Inclinatio S. D.			Differentia Sub.			Distantia à ☿ cur.		Diff
	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarit.	Alt.	
0	5	7	16	16				4	13	19				4.60463		
1	5	8	9	56	53	40		4	8	11	5	8		4.60607	144	
2	5	9	3	14	53	18		4	3	2	5	9		4.60750	143	
3	5	9	56	10	52	56		3	57	51	5	11		4.60891	141	
4	5	10	48	45	52	35		3	52	38	5	13		4.61031	140	
5	5	11	40	58	52	13		3	47	24	5	14		4.61169	138	
6	5	12	32	51	51	53		3	42	9	5	15		4.61306	137	
7	5	13	24	24	51	33		3	36	53	5	16		4.61441	135	
8	5	14	15	38	51	14		3	31	36	5	17		4.61574	133	
9	5	15	6	31	50	53		3	26	19	5	17		4.61706	132	
10	5	15	57	6	50	35		3	21	1	5	18		4.61836	130	
11	5	16	47	23	50	17		3	15	43	5	18		4.61965	129	
12	5	17	37	21	49	58		3	10	23	5	20		4.62092	127	
13	5	18	27	0	49	39		3	5	3	5	20		4.62217	125	
14	5	19	16	22	49	22		2	59	43	5	20		4.62340	123	
15	5	20	5	27	49	5		2	54	22	5	21		4.62462	122	
16	5	20	54	15	48	48		2	49	1	5	21		4.62583	121	
17	5	21	42	47	48	32		2	43	40	5	21		4.62701	118	
18	5	22	31	3	48	16		2	38	19	5	21		4.62818	117	
19	5	23	19	3	48	0		2	32	57	5	22		4.62933	115	
20	5	24	6	48	47	45		2	27	35	5	22		4.63047	114	
21	5	24	54	17	47	29		2	22	15	5	20		4.63159	112	
22	5	25	41	31	47	14		2	16	54	5	21		4.63269	110	
23	5	26	28	31	47	0		2	11	31	5	23		4.63377	108	
24	5	27	15	17	46	46		2	6	10	5	21		4.63484	107	
25	5	28	1	48	46	31		2	0	50	5	20		4.63589	105	
26	5	28	48	6	46	18		1	55	29	5	21		4.63693	104	
27	5	29	34	12	46	6		1	50	9	5	20		4.63794	101	
28	6	0	20	4	45	52		1	44	48	5	21		4.63894	100	
29	6	1	5	43	45	39		1	39	29	5	19		4.63993	99	
30	6	1	51	11	45	28		1	34	11	5	18		4.64089	96	

P Ta:

## Tabulæ Hermometricæ.

Tabula XXII. Longitudinis mediæ ☿

Anomaliz mediæ Signa X.																
G	Longitudo ☿ à * Y				Differentia Add.			Inclinatio S. D.			Differentia Sub.			Distanria à ☿ cur.		Diff Ad.
	S	O	I	II	O	I	II	O	I	II	O	I	II	Logarith.		
0	6	1	51	11	0	45	15	1	34	11	0	5	19	4.64089	95	
1	6	2	36	26		45	4	1	28	52		5	19	4.64184	94	
2	6	3	21	30		44	52	1	23	33		5	19	4.64278	91	
3	6	4	6	22		44	41	1	18	14		5	17	4.64369	90	
4	6	4	51	3		44	30	1	12	57		5	17	4.64459	88	
5	6	5	35	33		44	20	1	7	40		5	16	4.64547	87	
6	6	6	19	53		44	8	1	2	24		5	16	4.64634	85	
7	6	7	4	1		44		0	57	8		5	15	4.64719	83	
8	6	7	48	0		43	59	0	51	53		5	15	4.64802	81	
9	6	8	31	50		43	50	0	46	38		5	14	4.64883	80	
10	6	9	15	31		43	41	0	41	24		5	12	4.64963	78	
11	6	9	59	1		43	30	0	36	12		5	12	4.65041	77	
12	6	10	42	23		43	22	0	31	0		5	11	4.65118	74	
13	6	11	25	35		43	12	0	25	49		5	11	4.65192	73	
14	6	12	8	39		43	4	0	20	38		5	11	4.65265	72	
15	6	12	51	35		42	56	0	15	28		5	10	4.65337	70	
16	6	13	34	23		42	48	0	10	18		5	10	4.65407	68	
17	6	14	17	3		42	40	0	5	10		5	8	4.65475	66	
18	6	14	59	36		42	33	0	0	M 3		5	7	4.65541	65	
19	6	15	42	2		42	26	0	5	3		5	A 6	4.65606	63	
20	6	16	24	20		42	18	0	10	9		5	6	4.65669	61	
21	6	17	6	30		42	10	0	15	14		5	5	4.65730	60	
22	6	17	48	35		42	5	0	20	17		5	3	4.65790	58	
23	6	18	30	33		41	58	0	25	20		5	3	4.65848	56	
24	6	19	12	26		41	53	0	30	22		5	2	4.65904	55	
25	6	19	54	12		41	46	0	35	23		5	1	4.65959	53	
26	6	20	35	52		41	40	0	40	22		4	59	4.66012	52	
27	6	21	17	27		41	35	0	45	21		4	59	4.66064	49	
28	6	21	58	56		41	29	0	50	20		4	59	4.66113	48	
29	6	22	40	20		41	24	0	55	17		4	57	4.66161	47	
30	6	23	21	40		41	20	1	0	12		4	55	4.66208		

## Tabulæ Hermometricæ.

## Tabula XXII. Longitudinis mediæ ☿

Anomalix mediæ Signa XI.																
°	Longitudo ☿ à * Υ.				Differentia Add.			Inclinatio M. D.			Differentia Add.			Distantia à ☿ cur. Logarit.		Diff Ad.
	G	o	l	ll	o	l	ll	o	l	ll	o	l	ll			
0	6	23	21	40	0	41	14	1	0	12	0	4	54	4.66208		45
1	6	24	2	54		41	10	1	5	6		4	53	4.66253		43
2	6	24	44	4		41	5	1	9	59		4	52	4.66296		42
3	6	25	25	9		41	1	1	14	51		4	51	4.66338		40
4	6	26	6	10		40	56	1	19	42		4	51	4.66378		38
5	6	26	47	6		40	54	1	24	33		4	49	4.66416		36
6	6	27	28	0		40	49	1	29	22		4	48	4.66452		35
7	6	28	8	49		40	46	1	34	10		4	46	4.66487		34
8	6	28	49	35		40	43	1	38	56		4	44	4.66521		31
9	6	29	30	18		40	40	1	43	40		4	45	4.66552		30
10	7	0	10	58		40	36	1	48	25		4	43	4.66582		29
11	7	0	51	34		40	34	1	53	8		4	42	4.66611		27
12	7	1	32	8		40	32	2	57	50		4	41	4.66638		25
13	7	2	12	40		40	28	2	2	31		4	38	4.66663		24
14	7	2	53	8		40	26	2	7	9		4	37	4.66687		21
15	7	3	33	34		40	25	2	11	46		4	36	4.66708		21
16	7	4	13	59		40	23	2	16	22		4	36	4.66729		18
17	7	4	54	22		40	22	2	20	58		4	36	4.66747		18
18	7	5	34	44		40	20	2	25	31		4	33	4.66765		15
19	7	6	15	4		40	17	2	30	3		4	32	4.66780		14
20	7	6	55	21		40	16	2	34	33		4	30	4.66794		12
21	7	7	35	37		40	16	2	39	3		4	29	4.66806		11
22	7	8	15	53		40	16	2	43	32		4	27	4.66817		9
23	7	8	56	9		40	14	2	47	59		4	24	4.66826		7
24	7	9	36	23		40	12	2	52	23		4	23	4.66833		6
25	7	10	16	35		40	13	2	56	46		4	23	4.66839		4
26	7	10	56	48		40	13	3	1	9		4	20	4.66843		2
27	7	11	37	1		40	12	3	5	29		4	18	4.66845		1
28	7	12	17	13		40	13	3	9	47		4	18	4.66846	Sub.	
29	7	12	57	26		40	12	3	14	5		4	16	4.66846		2
30	7	13	37	38				3	18	21				4.66844		

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 0.					Gradus 89.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	0		0		90	10 0000		10000	
1	6.46373	30103	6.46373	30103	59	9.99999	0	13.53627	30103
2	6.76476	17609	6.76476	17609	58	9.99999	0	13.23524	17609
3	6.94085	12494	6.94085	12494	57	9.99999	0	13.05915	12494
4	7.06579	10691	7.06579	10691	56	9.99999	0	12.93421	10691
5	7.16270	7918	7.16270	7918	55	9.99999	0	12.83730	7918
6	7.24188	6694	7.24188	6694	54	9.99999	0	12.75812	6694
7	7.30882	5800	7.30882	5800	53	9.99999	0	12.69118	5800
8	7.36682	5115	7.36682	5115	52	9.99999	0	12.63318	5115
9	7.41797	4576	7.41797	4576	51	9.99999	0	12.58203	4576
10	7.46373	4139	7.46373	4139	50	9.99999	0	12.53627	4139
11	7.50512	3779	7.50512	3779	49	9.99999	0	12.49488	3779
12	7.54291	3476	7.54291	3476	48	9.99999	0	12.45709	3476
13	7.57767	3218	7.57767	3219	47	9.99999	0	12.42233	3219
14	7.60985	2997	7.60986	2996	46	9.99999	0	12.39014	2996
15	7.63982	2802	7.63982	2803	45	9.99999	0	12.36018	2803
16	7.66784	2633	7.66785	2633	44	9.99999	0	12.33215	2633
17	7.69417	2483	7.69418	2482	43	9.99999	0	12.30582	2482
18	7.71900	2348	7.71900	2348	42	9.99999	0	12.28100	2348
19	7.74248	2227	7.74248	2228	41	9.99999	0	12.25752	2228
20	7.76475	2119	7.76476	2119	40	9.99999	0	12.23524	2119
21	7.78594	2021	7.78595	2020	39	9.99999	0	12.21405	2020
22	7.80615	1930	7.80615	1931	38	9.99999	0	12.19385	1931
23	7.82545	1848	7.82546	1848	37	9.99999	0	12.17454	1848
24	7.84393	1773	7.84394	1773	36	9.99999	0	12.15606	1773
25	7.86166	1704	7.86167	1704	35	9.99999	0	12.13833	1704
26	7.87870	1639	7.87871	1639	34	9.99999	0	12.12129	1639
27	7.89509	1579	7.89510	1579	33	9.99999	0	12.10490	1579
28	7.91088	1524	7.91089	1524	32	9.99999	1	12.08911	1524
29	7.92612	1472	7.92613	1473	31	9.99998	0	12.07387	1473
30	7.94084		7.94086		30	9.99998	0	12.05914	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 0.					Gradus 89.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	7.94084	1424	7.94086	1424	30	9.99998	0	12.05914	1424
31	7.95508	1379	7.95510	1379	29	9.99998	0	12.04490	1379
32	7.96887	1336	7.96889	1336	28	9.99998	0	12.03111	1336
33	7.98223	1297	7.98225	1297	27	9.99998	0	12.01775	1297
34	7.99520	1259	7.99522	1259	26	9.99998	0	12.00478	1259
35	8.00779	1223	8.00781	1223	25	9.99998	0	11.99219	1223
36	8.02002	1190	8.02004	1190	24	9.99998	1	11.97996	1190
37	8.03192	1158	8.03194	1159	23	9.99997	0	11.96806	1159
38	8.04350	1128	8.04353	1128	22	9.99997	0	11.95647	1128
39	8.05478	1100	8.05481	1100	21	9.99997	0	11.94519	1100
40	8.06578	1072	8.06581	1072	20	9.99997	0	11.93419	1072
41	8.07650	1046	8.07653	1047	19	9.99997	0	11.92347	1047
42	8.08696	1022	8.08700	1022	18	9.99997	0	11.91300	1022
43	8.09718	999	8.09722	998	17	9.99997	1	11.90278	998
44	8.10717	976	8.10720	976	16	9.99996	0	11.89280	976
45	8.11693	954	8.11696	955	15	9.99996	0	11.88304	955
46	8.12647	934	8.12651	934	14	9.99996	0	11.87349	934
47	8.13581	914	8.13585	915	13	9.99996	0	11.86415	915
48	8.14495	896	8.14500	895	12	9.99996	0	11.85500	895
49	8.15391	877	8.15395	878	11	9.99996	1	11.84605	878
50	8.16268	860	8.16273	860	10	9.99995	0	11.83727	860
51	8.17128	843	8.17133	843	9	9.99995	0	11.82867	843
52	8.17971	827	8.17976	828	8	9.99995	0	11.82024	828
53	8.18798	812	8.18804	812	7	9.99995	0	11.81196	812
54	8.19610	797	8.19616	797	6	9.99995	1	11.80384	797
55	8.20407	782	8.20413	782	5	9.99994	0	11.79587	782
56	8.21189	769	8.21195	769	4	9.99994	0	11.78805	769
57	8.21958	755	8.21964	756	3	9.99994	0	11.78036	756
58	8.22713	743	8.22720	742	2	9.99994	0	11.77280	742
59	8.23456	730	8.23462	730	1	9.99994	1	11.76538	730
60	8.24186		8.24192		0	9.99993	0	11.75808	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 1.					Gradus 88.				
M.	Logarit.	Diff.	Mesolog.	Diff.	M	Logarit.	Diff.	Mesolog.	Diff.
0	8.24186	717	8.24192	718	60	9.99993	0	11.75808	718
1	8.24903	706	8.24910	706	59	9.99993	0	11.75090	706
2	8.25609	695	8.25616	696	58	9.99993	0	11.74384	696
3	8.26304	684	8.26312	684	57	9.99993	1	11.73688	684
4	8.26988	673	8.26996	673	56	9.99992	0	11.73004	673
5	8.27661	663	8.27669	663	55	9.99992	0	11.72331	663
6	8.28324	653	8.28332	654	54	9.99992	0	11.71668	654
7	8.28977	644	8.28986	643	53	9.99992	0	11.71014	643
8	8.29621	634	8.29629	634	52	9.99992	1	11.70371	634
9	8.30255	624	8.30263	625	51	9.99991	0	11.69737	625
10	8.30879	616	8.30888	617	50	9.99991	0	11.69112	617
11	8.31495	608	8.31505	607	49	9.99991	1	11.68495	607
12	8.32103	599	8.32112	599	48	9.99990	0	11.67888	599
13	8.32702	590	8.32711	591	47	9.99990	0	11.67289	591
14	8.33292	583	8.33302	584	46	9.99990	0	11.66698	584
15	8.33875	575	8.33886	575	45	9.99990	1	11.66114	575
16	8.34450	568	8.34461	568	44	9.99989	0	11.65539	568
17	8.35018	560	8.35029	561	43	9.99989	0	11.64971	561
18	8.35578	553	8.35590	553	42	9.99989	0	11.64410	553
19	8.36131	547	8.36143	546	41	9.99989	1	11.63857	546
20	8.36678	539	8.36689	540	40	9.99988	0	11.63311	540
21	8.37217	533	8.37229	533	39	9.99988	0	11.62771	533
22	8.37750	526	8.37762	527	38	9.99988	1	11.62238	527
23	8.38276	520	8.38289	520	37	9.99987	0	11.61711	520
24	8.38796	514	8.38809	514	36	9.99987	0	11.61191	514
25	8.39310	508	8.39323	509	35	9.99987	1	11.60677	509
26	8.39818	502	8.39832	502	34	9.99986	0	11.60168	502
27	8.40320	496	8.40334	496	33	9.99986	0	11.59666	496
28	8.40816	491	8.40830	491	32	9.99986	1	11.59170	491
29	8.41307	485	8.41321	486	31	9.99985	0	11.58679	486
30	8.41792		8.41807		30	9.99985		11.58193	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus I.				Gradus 88.				
M. Logarit.	Diff.	Metolog.	Diff.	M. Logarit.	Diff.	Metolog.	Diff.	
30	8.41792	480	8.41807	480	30	9.99985	11.58193	480
31	8.42272	474	8.42287	475	29	9.99985	11.57713	475
32	8.42746	470	8.42762	470	28	9.99984	11.57238	470
33	8.43216	464	8.43232	464	27	9.99984	11.56768	464
34	8.43680	459	8.43696	460	26	9.99984	11.56304	460
35	8.44139	455	8.44156	455	25	9.99983	11.55844	455
36	8.44594	450	8.44611	450	24	9.99983	11.55385	450
37	8.45044	445	8.45061	446	23	9.99983	11.54939	446
38	8.45489	441	8.45507	441	22	9.99982	11.54493	441
39	8.45930	436	8.45948	437	21	9.99982	11.54052	437
40	8.46366	433	8.46385	432	20	9.99982	11.53615	432
41	8.46799	427	8.46817	428	19	9.99981	11.53183	428
42	8.47226	424	8.47245	424	18	9.99981	11.52755	424
43	8.47650	419	8.47669	420	17	9.99981	11.52331	420
44	8.48069	416	8.48089	416	16	9.99980	11.51911	416
45	8.48485	411	8.48505	412	15	9.99980	11.51495	412
46	8.48896	408	8.48917	408	14	9.99979	11.51083	408
47	8.49304	404	8.49325	404	13	9.99979	11.50675	404
48	8.49708	400	8.49729	401	12	9.99979	11.50271	401
49	8.50108	396	8.50130	397	11	9.99978	11.49870	397
50	8.50504	393	8.50527	393	10	9.99978	11.49473	393
51	8.50897	390	8.50920	390	9	9.99977	11.49080	390
52	8.51287	386	8.51310	386	8	9.99977	11.48690	386
53	8.51673	382	8.51696	383	7	9.99977	11.48304	383
54	8.52055	379	8.52079	380	6	9.99976	11.47921	380
55	8.52434	376	8.52459	376	5	9.99976	11.47541	376
56	8.52810	373	8.52835	373	4	9.99975	11.47165	373
57	8.53183	369	8.53208	370	3	9.99975	11.46792	370
58	8.53552	367	8.53578	367	2	9.99974	11.46422	367
59	8.53919	363	8.53945	363	1	9.99974	11.46055	363
60	8.54282		8.54308		0	9.99974	11.45692	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 2.					Gradus 87.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	8.54282		8.54308		50	9.99974		11.45692	
1	8.54642	360	8.54669	361	59	9.99973	I	11.45331	361
2	8.54999	357	8.55027	358	58	9.99973	O	11.44973	358
3	8.55354	355	8.55382	355	57	9.99972	I	11.44618	355
4	8.55705	351	8.55734	352	56	9.99972	O	11.44266	352
5	8.56054	349	8.56083	349	55	9.99971	I	11.43917	349
6	8.56400	346	8.56429	346	54	9.99971	O	11.43571	346
7	8.56743	343	8.56773	344	53	9.99970	I	11.43227	344
8	8.57084	341	8.57114	341	52	9.99970	O	11.42886	341
9	8.57422	338	8.57452	338	51	9.99969	I	11.42548	338
10	8.57757	335	8.57788	336	50	9.99969	O	11.42212	336
11	8.58089	332	8.58121	333	49	9.99968	I	11.41879	333
12	8.58419	330	8.58451	330	48	9.99968	O	11.41549	330
13	8.58747	328	8.58779	328	47	9.99967	I	11.41221	328
14	8.59072	325	8.59105	326	46	9.99967	O	11.40895	326
15	8.59395	323	8.59428	323	45	9.99967	I	11.40572	323
16	8.59715	320	8.59749	321	44	9.99966	O	11.40251	321
17	8.60033	318	8.60068	319	43	9.99966	I	11.39932	319
18	8.60349	316	8.60384	316	42	9.99965	O	11.39616	316
19	8.60662	313	8.60698	314	41	9.99964	I	11.39302	314
20	8.60973	311	8.61009	311	40	9.99964	O	11.38991	311
21	8.61282	309	8.61319	310	39	9.99963	I	11.38681	310
22	8.61589	307	8.61626	307	38	9.99963	O	11.38374	307
23	8.61894	305	8.61931	305	37	9.99962	I	11.38069	305
24	8.62196	302	8.62234	303	36	9.99962	O	11.37766	303
25	8.62497	301	8.62535	301	35	9.99961	I	11.37465	301
26	8.62795	298	8.62834	299	34	9.99961	O	11.37166	299
27	8.63091	296	8.63131	297	33	9.99960	I	11.36869	297
28	8.63385	294	8.63426	295	32	9.99960	O	11.36574	295
29	8.63678	293	8.63718	292	31	9.99959	I	11.36282	292
30	8.63968	290	8.64009	291	30	9.99959	O	11.35991	291



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 2.				Gradus 87.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	8.63968		8.64009		30	9.99959		11.35991	
31	8.64256	288	8.64298	289	29	9.99958	I	11.35702	289
32	8.64543	287	8.64585	287	28	9.99957	I	11.35415	287
33	8.64827	284	8.64870	285	27	9.99957	O	11.35130	285
34	8.65110	283	8.65154	284	26	9.99956	I	11.34846	284
35	8.65391	281	8.65435	281	25	9.99956	O	11.34565	281
36	8.65670	279	8.65715	280	24	9.99955	I	11.34285	280
37	8.65947	277	8.65993	278	23	9.99955	O	11.34007	278
38	8.66223	276	8.66269	276	22	9.99954	I	11.33731	276
39	8.66497	274	8.66543	274	21	9.99954	O	11.33457	274
40	8.66769	272	8.66816	273	20	9.99953	I	11.33184	273
41	8.67039	270	8.67087	271	19	9.99952	I	11.32913	271
42	8.67308	269	8.67356	269	18	9.99952	O	11.32644	269
43	8.67575	267	8.67624	268	17	9.99951	I	11.32376	268
44	8.67841	266	8.67890	266	16	9.99951	O	11.32110	266
45	8.68104	263	8.68154	264	15	9.99950	I	11.31846	264
46	8.68366	262	8.68417	263	14	9.99949	I	11.31583	263
47	8.68627	261	8.68678	261	13	9.99949	O	11.31322	261
48	8.68886	259	8.68938	260	12	9.99948	I	11.31062	260
49	8.69144	258	8.69196	258	11	9.99948	O	11.30804	258
50	8.69400	256	8.69453	257	10	9.99947	I	11.30547	257
51	8.69654	254	8.69708	255	9	9.99946	I	11.30292	255
52	8.69907	253	8.69962	254	8	9.99946	O	11.30038	254
53	8.70159	252	8.70214	252	7	9.99945	I	11.29786	252
54	8.70409	250	8.70465	251	6	9.99944	I	11.29535	251
55	8.70658	249	8.70714	249	5	9.99944	O	11.29286	249
56	8.70905	247	8.70962	248	4	9.99943	I	11.29038	248
57	8.71151	246	8.71208	246	3	9.99942	O	11.28792	246
58	8.71395	244	8.71453	245	2	9.99942	I	11.28547	245
59	8.71638	243	8.71697	244	1	9.99941	I	11.28303	244
60	8.71880	242	8.71940	243	0	9.99940	I	11.28060	243

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium;

Gradus 3.					Gradus 86.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
0	8.71880		8.71940		60	9.99940	0	11.28060	241
1	8.72120	240	8.72181	241	59	9.99940	1	11.27819	239
2	8.72359	239	8.72420	239	58	9.99939	1	11.27580	239
3	8.72597	238	8.72659	237	57	9.99938	0	11.27341	237
4	8.72834	237	8.72896	236	56	9.99938	1	11.27104	236
5	8.73069	235	8.73132	236	55	9.99937	1	11.26868	234
6	8.73303	234	8.73366	234	54	9.99936	0	11.26634	234
7	8.73535	232	8.73600	232	53	9.99936	1	11.26400	232
8	8.73767	232	8.73832	231	52	9.99935	1	11.26168	231
9	8.73997	230	8.74063	229	51	9.99934	0	11.25937	229
10	8.74226	229	8.74292	229	50	9.99934	1	11.25708	229
11	8.74454	228	8.74521	227	49	9.99933	1	11.25479	227
12	8.74680	226	8.74748	226	48	9.99932	0	11.25252	226
13	8.74906	224	8.74974	225	47	9.99932	1	11.25026	225
14	8.75130	223	8.75199	224	46	9.99931	1	11.24801	224
15	8.75353	222	8.75423	222	45	9.99930	1	11.24577	222
16	8.75575	220	8.75645	222	44	9.99929	0	11.24355	222
17	8.75795	220	8.75867	220	43	9.99929	1	11.24133	220
18	8.76015	219	8.76087	219	42	9.99928	1	11.23913	219
19	8.76234	217	8.76306	219	41	9.99927	1	11.23694	219
20	8.76451	216	8.76525	217	40	9.99926	1	11.23475	217
21	8.76667	216	8.76742	216	39	9.99926	0	11.23258	216
22	8.76883	214	8.76958	215	38	9.99925	1	11.23042	215
23	8.77097	213	8.77173	214	37	9.99924	1	11.22827	214
24	8.77310	212	8.77387	213	36	9.99923	1	11.22613	213
25	8.77522	211	8.77600	211	35	9.99923	0	11.22400	211
26	8.77733	210	8.77811	211	34	9.99922	1	11.22189	211
27	8.77943	209	8.78022	210	33	9.99921	1	11.21978	210
28	8.78152	208	8.78232	209	32	9.99920	0	11.21768	209
29	8.78360	208	8.78441	208	31	9.99920	1	11.21559	208
30	8.78568		8.78649		30	9.99919		11.21351	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 3.				Gradus 86.			
M.	Logarit.	Diff.	Mefolog.	M.	Logarit.	Diff.	Mefolog.
30	8.78568	206	8.78649	30	9.99919	I	11.21351
31	8.78774	205	8.78855	29	9.99918	I	11.21145
32	8.78979	204	8.79061	28	9.99917	I	11.20939
33	8.79183	203	8.79266	27	9.99917	O	11.20734
34	8.79386	202	8.79470	26	9.99916	I	11.20530
35	8.79588	201	8.79673	25	9.99915	I	11.20327
36	8.79789	201	8.79875	24	9.99914	I	11.20125
37	8.79990	199	8.80076	23	9.99913	O	11.19924
38	8.80189	199	8.80277	22	9.99913	I	11.19723
39	8.80388	197	8.80476	21	9.99912	I	11.19524
40	8.80585	197	8.80674	20	9.99911	I	11.19326
41	8.80782	196	8.80872	19	9.99910	I	11.19128
42	8.80978	195	8.81068	18	9.99909	O	11.18932
43	8.81173	194	8.81264	17	9.99909	I	11.18736
44	8.81367	193	8.81459	16	9.99908	I	11.18541
45	8.81560	192	8.81653	15	9.99907	I	11.18347
46	8.81752	192	8.81846	14	9.99906	I	11.18154
47	8.81944	190	8.82038	13	9.99905	I	11.17962
48	8.82134	190	8.82230	12	9.99904	O	11.17770
49	8.82324	189	8.82420	11	9.99904	I	11.17580
50	8.82513	188	8.82610	10	9.99903	I	11.17390
51	8.82701	187	8.82799	9	9.99902	I	11.17201
52	8.82888	187	8.82987	8	9.99901	I	11.17013
53	8.83075	186	8.83175	7	9.99900	I	11.16825
54	8.83261	185	8.83361	6	9.99899	I	11.16639
55	8.83446	184	8.83547	5	9.99898	O	11.16453
56	8.83630	183	8.83732	4	9.99898	I	11.16268
57	8.83813	183	8.83916	3	9.99897	I	11.16084
58	8.83996	181	8.84100	2	9.99896	I	11.15900
59	8.84177	181	8.84282	1	9.99895	I	11.15718
60	8.84358		8.84464	0	9.99894		11.15536

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 4.				Gradus 85.			
M.	Logarit.	Diff.	Meolog.	M.	Logarit.	Diff.	Meolog.
0	8.84358	181	8.84464	182	9.99894	I	11.15536
1	8.84539	179	8.84646	180	9.99893	I	11.15534
2	8.84718	179	8.84826	180	9.99892	I	11.155174
3	8.84897	178	8.85006	179	9.99891	O	11.14994
4	8.85075	177	8.85185	178	9.99891	I	11.14815
5	8.85252	177	8.85363	177	9.99890	I	11.14637
6	8.85429	176	8.85540	177	9.99889	I	11.14460
7	8.85605	175	8.85717	176	9.99888	I	11.14283
8	8.85780	175	8.85893	176	9.99887	I	11.14107
9	8.85955	173	8.86069	174	9.99886	I	11.13931
10	8.86128	173	8.86243	174	9.99885	I	11.13757
11	8.86301	173	8.86417	174	9.99884	I	11.13583
12	8.86474	171	8.86591	172	9.99883	I	11.13409
13	8.86645	171	8.86763	172	9.99882	I	11.13237
14	8.86816	171	8.86935	171	9.99881	I	11.13065
15	8.86987	169	8.87106	171	9.99880	I	11.12894
16	8.87156	169	8.87277	170	9.99879	O	11.12723
17	8.87325	169	8.87447	169	9.99879	I	11.12553
18	8.87494	168	8.87616	169	9.99878	I	11.12384
19	8.87662	167	8.87785	168	9.99877	I	11.12215
20	8.87829	166	8.87953	167	9.99876	I	11.12047
21	8.87995	166	8.88120	167	9.99875	I	11.11880
22	8.88161	165	8.88287	166	9.99874	I	11.11713
23	8.88326	164	8.88453	165	9.99873	I	11.11547
24	8.88490	164	8.88618	165	9.99872	I	11.11382
25	8.88654	163	8.88783	165	9.99871	I	11.11217
26	8.88817	163	8.88948	163	9.99870	I	11.11052
27	8.88980	162	8.89111	163	9.99869	I	11.10886
28	8.89142	162	8.89274	163	9.99868	I	11.10726
29	8.89304	160	8.89437	161	9.99867	I	11.10563
30	8.89464		8.89598	161	9.99866		11.10402

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 4.				Gradus 85.			
M.	Logarit.	Diff.	Mefolog.	M.	Logarit.	Diff.	Mefolog.
30	8.89464	160	8.80598	162	9.99866	1	11.10402
31	8.89624	160	8.89760	160	9.99865	1	11.10240
32	8.89784	159	8.89920	160	9.99864	1	11.10080
33	8.89943	159	8.90080	160	9.99863	1	11.09920
34	8.90102	158	8.90240	159	9.99862	1	11.09760
35	8.90260	157	8.90399	158	9.99861	1	11.09601
36	8.90417	157	8.90557	158	9.99860	1	11.09443
37	8.90574	156	8.90715	157	9.99859	1	11.09285
38	8.90730	155	8.90872	157	9.99858	1	11.09128
39	8.90885	155	8.91029	156	9.99857	1	11.08971
40	8.91040	155	8.91185	155	9.99856	1	11.08815
41	8.91195	154	8.91340	155	9.99855	1	11.08660
42	8.91349	153	8.91495	155	9.99854	1	11.08505
43	8.91502	153	8.91650	153	9.99853	1	11.08350
44	8.91655	152	8.91803	154	9.99852	1	11.08197
45	8.91807	152	8.91957	153	9.99851	1	11.08043
46	8.91959	151	8.92110	152	9.99850	2	11.07890
47	8.92110	151	8.92262	152	9.99848	1	11.07738
48	8.92261	150	8.92414	151	9.99847	1	11.07586
49	8.92411	150	8.92565	151	9.99846	1	11.07435
50	8.92561	149	8.92716	150	9.99845	1	11.07284
51	8.92710	149	8.92866	150	9.99844	1	11.07134
52	8.92859	148	8.93016	149	9.99843	1	11.06984
53	8.93007	147	8.93165	148	9.99842	1	11.06835
54	8.93154	147	8.93313	149	9.99841	1	11.06687
55	8.93301	147	8.93462	147	9.99840	1	11.06538
56	8.93448	146	8.93609	147	9.99839	1	11.06391
57	8.93594	146	8.93756	147	9.99838	1	11.06244
58	8.93740	145	8.93903	146	9.99837	1	11.06097
59	8.93885	145	8.94049	146	9.99836	2	11.05951
60	8.94030		8.94195	0	9.99834		11.05805

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 5.					Gradus 84.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	8.94030		8.94195	145	60	9.99834		11.05805	145
1	8.94174	143	8.94340	145	59	9.99833	1	11.05660	145
2	8.94317	144	8.94485	145	58	9.99832	1	11.05515	145
3	8.94461	142	8.94630	145	57	9.99831	1	11.05370	143
4	8.94603	143	8.94773	144	56	9.99830	1	11.05227	144
5	8.94746	141	8.94917	143	55	9.99829	1	11.05083	143
6	8.94887	142	8.95060	142	54	9.99828	1	11.04940	142
7	8.95029	141	8.95202	142	53	9.99827	2	11.04798	142
8	8.95170	140	8.95344	142	52	9.99825	1	11.04656	142
9	8.95310	140	8.95486	141	51	9.99824	1	11.04514	141
10	8.95450	139	8.95627	140	50	9.99823	1	11.04373	140
11	8.95589	139	8.95767	141	49	9.99822	1	11.04233	141
12	8.95728	139	8.95908	139	48	9.99821	1	11.04092	139
13	8.95867	138	8.96047	140	47	9.99820	1	11.03953	140
14	8.96005	138	8.96187	138	46	9.99819	2	11.03813	138
15	8.96143	137	8.96325	139	45	9.99817	1	11.03675	139
16	8.96280	137	8.96464	138	44	9.99816	1	11.03536	138
17	8.96417	136	8.96602	137	43	9.99815	1	11.03398	137
18	8.96553	136	8.96739	138	42	9.99814	1	11.03261	138
19	8.96689	136	8.96877	136	41	9.99813	1	11.03123	136
20	8.96825	135	8.97013	137	40	9.99812	2	11.02987	137
21	8.96960	135	8.97150	135	39	9.99810	1	11.02850	135
22	8.97095	134	8.97285	136	38	9.99809	1	11.02715	136
23	8.97229	134	8.97421	135	37	9.99808	1	11.02579	135
24	8.97363	133	8.97556	135	36	9.99807	1	11.02444	135
25	8.97496	133	8.97691	134	35	9.99806	2	11.02309	134
26	8.97629	133	8.97825	134	34	9.99804	1	11.02175	134
27	8.97762	132	8.97959	133	33	9.99803	1	11.02041	133
28	8.97894	132	8.98092	133	32	9.99802	1	11.01908	133
29	8.98026	131	8.98225	133	31	9.99801	1	11.01775	133
30	8.98157		8.98358		30	9.99800		11.01642	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 5.				Gradus 8.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	8.98157		8.98358		30	9.99800		11.01642	
31	8.98288	131	8.98490	132	29	9.99798	2	11.01510	132
32	8.98419	131	8.98622	132	28	9.99797	1	11.01378	132
33	8.98549	130	8.98753	131	27	9.99796	1	11.01247	131
34	8.98679	130	8.98884	131	26	9.99795	1	11.01116	131
35	8.98808	129	8.99015	130	25	9.99793	2	11.00985	131
36	8.98937	129	8.99145	130	24	9.99792	1	11.00855	130
37	8.99066	128	8.99275	130	23	9.99791	1	11.00725	130
38	8.99194	128	8.99405	129	22	9.99790	1	11.00595	130
39	8.99322	128	8.99534	129	21	9.99788	2	11.00466	129
40	8.99450	127	8.99662	128	20	9.99787	1	11.00338	128
41	8.99577	127	8.99791	129	19	9.99786	1	11.00209	129
42	8.99704	127	8.99919	128	18	9.99785	1	11.00081	128
43	8.99830	126	9.00046	127	17	9.99783	2	11.00008	127
44	8.99956	126	9.00174	128	16	9.99782	1	10.99954	128
45	9.00082	126	9.00301	127	15	9.99781	1	10.99826	127
46	9.00207	125	9.00427	126	14	9.99780	1	10.99699	126
47	9.00332	125	9.00553	126	13	9.99778	2	10.99573	126
48	9.00456	124	9.00679	126	12	9.99777	1	10.99447	126
49	9.00581	125	9.00805	126	11	9.99776	1	10.99321	126
50	9.00704	123	9.00930	125	10	9.99775	1	10.99195	125
51	9.00828	124	9.01055	125	9	9.99773	2	10.99070	125
52	9.00951	123	9.01179	124	8	9.99772	1	10.98945	124
53	9.01074	122	9.01303	124	7	9.99771	1	10.98821	124
54	9.01196	122	9.01427	124	6	9.99770	2	10.98697	124
55	9.01318	122	9.01550	123	5	9.99769	1	10.98573	123
56	9.01440	121	9.01673	123	4	9.99768	1	10.98450	123
57	9.01561	121	9.01796	123	3	9.99767	2	10.98327	123
58	9.01682	121	9.01918	122	2	9.99765	1	10.98204	122
59	9.01803	121	9.02040	122	1	9.99764	1	10.98082	122
60	9.01923	120	9.02162	122	0	9.99763	2	10.97960	122
						9.99761		10.97838	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 6.					Gradus 83.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Diff.	
0	9.01923		9.02162		60	9.99761		10.97838	121
1	9.02043	120	9.02283	121	59	9.99760	1	10.97717	121
2	9.02163	120	9.02404	121	58	9.99759	1	10.97596	121
3	9.02283	119	9.02525	120	57	9.99757	2	10.97475	120
4	9.02402	118	9.02645	121	56	9.99756	1	10.97355	121
5	9.02520	119	9.02766	119	55	9.99755	2	10.97234	119
6	9.02639	118	9.02885	120	54	9.99753	1	10.97115	120
7	9.02757	117	9.03005	119	53	9.99752	1	10.96995	119
8	9.02874	118	9.03124	118	52	9.99751	1	10.96876	118
9	9.02992	117	9.03242	119	51	9.99749	2	10.96758	119
10	9.03109	117	9.03361	118	50	9.99748	1	10.96639	118
11	9.03226	116	9.03479	118	49	9.99747	2	10.96521	118
12	9.03342	116	9.03597	117	48	9.99745	1	10.96403	117
13	9.03458	116	9.03714	118	47	9.99744	1	10.96286	118
14	9.03574	116	9.03832	116	46	9.99742	2	10.96168	116
15	9.03690	115	9.03948	117	45	9.99741	1	10.96052	117
16	9.03805	115	9.04065	116	44	9.99740	2	10.95935	116
17	9.03920	114	9.04181	116	43	9.99738	1	10.95819	116
18	9.04034	115	9.04297	116	42	9.99737	1	10.95703	116
19	9.04149	113	9.04413	115	41	9.99736	2	10.95587	115
20	9.04262	114	9.04528	115	40	9.99734	1	10.95472	115
21	9.04376	114	9.04643	115	39	9.99733	2	10.95357	115
22	9.04490	113	9.04758	115	38	9.99731	1	10.95242	115
23	9.04603	112	9.04873	114	37	9.99730	2	10.95127	114
24	9.04715	113	9.04987	114	36	9.99728	1	10.95013	114
25	9.04828	112	9.05101	113	35	9.99727	1	10.94899	113
26	9.04940	112	9.05214	114	34	9.99726	2	10.94786	114
27	9.05052	112	9.05328	113	33	9.99724	1	10.94672	113
28	9.05164	111	9.05441	112	32	9.99723	2	10.94559	112
29	9.05275	111	9.05553	113	31	9.99721	1	10.94447	113
30	9.05386		9.05666		30	9.99720	1	10.94334	



## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 6.				Gradus 83.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.05386		9.05666		30	9.99720		10.94334	
31	9.05497	111	9.05778	112	29	9.99718	2	10.94222	112
32	9.05607	110	9.05890	112	28	9.99717	1	10.94110	112
33	9.05717	110	9.06002	111	27	9.99716	2	10.93998	111
34	9.05827	110	9.06113	111	26	9.99714	1	10.93887	111
35	9.05937	109	9.06224	111	25	9.99713	2	10.93776	111
36	9.06046	109	9.06335	110	24	9.99711	1	10.93665	110
37	9.06155	109	9.06445	111	23	9.99710	2	10.93555	111
38	9.06264	108	9.06556	110	22	9.99708	1	10.93444	110
39	9.06372	109	9.06666	109	21	9.99707	2	10.93334	109
40	9.06481	108	9.06775	110	20	9.99705	1	10.93225	110
41	9.06589	107	9.06885	109	19	9.99704	2	10.93115	109
42	9.06696	108	9.06994	109	18	9.99702	1	10.93006	109
43	9.06804	107	9.07103	108	17	9.99701	2	10.92897	108
44	9.06911	107	9.07211	109	16	9.99699	1	10.92789	109
45	9.07018	106	9.07320	108	15	9.99698	2	10.92680	108
46	9.07124	107	9.07428	108	14	9.99696	1	10.92572	108
47	9.07231	106	9.07536	107	13	9.99695	2	10.92464	107
48	9.07337	105	9.07643	108	12	9.99693	1	10.92357	108
49	9.07442	106	9.07751	107	11	9.99692	2	10.92249	107
50	9.07548	105	9.07858	106	10	9.99690	1	10.92142	106
51	9.07653	105	9.07964	107	9	9.99689	2	10.92036	107
52	9.07758	105	9.08071	106	8	9.99687	1	10.91929	106
53	9.07863	105	9.08177	106	7	9.99686	2	10.91823	106
54	9.07968	104	9.08283	106	6	9.99684	1	10.91717	106
55	9.08072	104	9.08389	106	5	9.99683	2	10.91611	106
56	9.08176	104	9.08495	105	4	9.99681	1	10.91505	105
57	9.08280	103	9.08600	105	3	9.99680	2	10.91400	105
58	9.08383	103	9.08705	105	2	9.99678	1	10.91295	105
59	9.08486	103	9.08810	104	1	9.99677	2	10.91190	104
60	9.08589		9.08914		0	9.99675		10.91086	

R

T-

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 7.					Gradus 82.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.08589		9.08914		60	9.99674		10.91086	
1	9.08692	103	9.09019	105	59	9.99673	1	10.90981	105
2	9.08795	103	9.09123	104	58	9.99672	2	10.90877	104
3	9.08897	102	9.09227	104	57	9.99670	2	10.90773	104
4	9.08999	102	9.09330	103	56	9.99669	1	10.90670	103
5	9.09101	101	9.09434	104	55	9.99667	2	10.90566	104
6	9.09202	101	9.09537	103	54	9.99666	1	10.90463	103
7	9.09304	102	9.09640	103	53	9.99664	2	10.90360	103
8	9.09405	101	9.09742	102	52	9.99663	1	10.90258	102
9	9.09506	101	9.09845	103	51	9.99661	2	10.90155	103
10	9.09606	100	9.09947	102	50	9.99659	1	10.90053	102
11	9.09707	101	9.10049	101	49	9.99658	2	10.89951	101
12	9.09807	100	9.10150	102	48	9.99656	1	10.89850	102
13	9.09907	99	9.10252	101	47	9.99655	2	10.89748	101
14	9.10006	100	9.10353	101	46	9.99653	1	10.89647	101
15	9.10106	99	9.10454	101	45	9.99651	2	10.89546	101
16	9.10205	99	9.10555	101	44	9.99650	1	10.89445	101
17	9.10304	98	9.10656	100	43	9.99648	2	10.89344	101
18	9.10402	99	9.10756	100	42	9.99647	1	10.89244	100
19	9.10501	98	9.10856	100	41	9.99645	2	10.89144	100
20	9.10599	98	9.10956	100	40	9.99643	1	10.89044	100
21	9.10697	98	9.11056	99	39	9.99642	2	10.88944	99
22	9.10795	98	9.11155	99	38	9.99640	1	10.88845	99
23	9.10893	97	9.11254	99	37	9.99638	2	10.88746	99
24	9.10990	97	9.11353	99	36	9.99637	1	10.88647	99
25	9.11087	97	9.11452	99	35	9.99635	2	10.88548	99
26	9.11184	97	9.11551	98	34	9.99633	1	10.88449	98
27	9.11281	96	9.11649	98	33	9.99632	2	10.88351	98
28	9.11377	97	9.11747	98	32	9.99630	1	10.88253	98
29	9.11474	96	9.11845	98	31	9.99629	2	10.88155	98
30	9.11570		9.11943		30	9.99627		10.88057	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 7.					Gradus 8.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
30	9.11570	96	9.11943	97	30	9.99627		10.88057	97
31	9.11666	95	9.12040	98	29	9.99025	2	10.87960	98
32	9.11761	96	9.12138	97	28	9.99624	1	10.87862	97
33	9.11857	95	9.12235	97	27	9.99622	2	10.87765	97
34	9.11952	95	9.12332	96	26	9.99620	2	10.87668	96
35	9.12047	95	9.12428	97	25	9.99618	2	10.87571	97
36	9.12142	94	9.12525	96	24	9.99017	1	10.87475	96
37	9.12236	95	9.12621	96	23	9.99615	2	10.87379	96
38	9.12331	94	9.12717	96	22	9.99613	2	10.87283	96
39	9.12425	94	9.12813	96	21	9.99612	1	10.87187	96
40	9.12519	93	9.12909	95	20	9.99610	2	10.87091	95
41	9.12612	94	9.13004	95	19	9.99008	1	10.86996	95
42	9.12706	93	9.13099	95	18	9.99607	2	10.86901	95
43	9.12799	93	9.13194	95	17	9.99605	2	10.86806	95
44	9.12892	93	9.13289	95	16	9.99603	2	10.86711	95
45	9.12985	93	9.13384	94	15	9.99601	1	10.86616	94
46	9.13078	93	9.13478	95	14	9.99600	2	10.86522	95
47	9.13171	92	9.13573	94	13	9.99598	2	10.86427	94
48	9.13263	92	9.13667	94	12	9.99596	1	10.86333	94
49	9.13355	92	9.13761	93	11	9.99595	2	10.86239	93
50	9.13447	92	9.13854	94	10	9.99593	2	10.86146	94
51	9.13539	92	9.13948	93	9	9.99591	2	10.86052	93
52	9.13630	91	9.14041	93	8	9.99589	1	10.85959	93
53	9.13722	92	9.14134	93	7	9.99588	2	10.85866	93
54	9.13813	91	9.14227	93	6	9.99586	2	10.85773	93
55	9.13904	90	9.14320	92	5	9.99584	2	10.85680	92
56	9.13994	91	9.14412	92	4	9.99582	1	10.85588	92
57	9.14085	90	9.14504	93	3	9.99581	2	10.85496	93
58	9.14175	91	9.14597	91	2	9.99579	2	10.85403	91
59	9.14266	90	9.14688	92	1	9.99577	2	10.85312	92
60	9.14356		9.14780		0	9.99575		10.85220	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 8.					Gradus 81.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
C	9.14356	89	9.14780	92	60	9.99575	2	10.85220	92
1	9.14445	90	9.14872	91	59	9.99573	1	10.85128	91
2	9.14535	89	9.14963	91	58	9.99572	2	10.85037	91
3	9.14624	90	9.15054	91	57	9.99570	2	10.84946	91
4	9.14714	89	9.15145	91	56	9.99568	2	10.84855	91
5	9.14803	88	9.15236	91	55	9.99566	2	10.84764	91
6	9.14891	89	9.15327	90	54	9.99564	1	10.84673	90
7	9.14980	89	9.15417	91	53	9.99563	2	10.84583	91
8	9.15069	88	9.15508	90	52	9.99561	2	10.84492	90
9	9.15157	88	9.15598	90	51	9.99559	2	10.84402	90
10	9.15245	88	9.15688	89	50	9.99557	2	10.84312	89
11	9.15333	88	9.15777	90	49	9.99555	1	10.84223	90
12	9.15421	87	9.15867	89	48	9.99554	2	10.84133	89
13	9.15508	88	9.15956	90	47	9.99552	2	10.84044	90
14	9.15596	87	9.16046	89	46	9.99550	2	10.83954	89
15	9.15683	87	9.16135	89	45	9.99548	2	10.83865	89
16	9.15770	87	9.16224	88	44	9.99546	2	10.83776	89
17	9.15857	87	9.16312	89	43	9.99544	1	10.83688	89
18	9.15944	86	9.16401	88	42	9.99543	2	10.83599	88
19	9.16030	86	9.16489	88	41	9.99541	2	10.83511	88
20	9.16116	87	9.16577	88	40	9.99539	2	10.83423	88
21	9.16203	86	9.16665	88	39	9.99537	2	10.83335	88
22	9.16289	85	9.16753	88	38	9.99535	2	10.83247	88
23	9.16374	86	9.16841	87	37	9.99533	2	10.83159	87
24	9.16460	85	9.16928	88	36	9.99531	1	10.83072	88
25	9.16545	86	9.17016	87	35	9.99530	2	10.82984	87
26	9.16631	85	9.17103	87	34	9.99528	2	10.82897	87
27	9.16716	85	9.17190	87	33	9.99526	2	10.82810	87
28	9.16801	85	9.17277	86	32	9.99524	2	10.82723	86
29	9.16886	84	9.17363	87	31	9.99522	2	10.82637	87
30	9.16970		9.17450		30	9.99520		10.82550	--

## Tabula XXII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 8.					Gradus 81.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.16970	85	9.17450	86	30	9.99520	2	10.82550	86
31	9.17055	84	9.17536	86	29	9.99518	2	10.82464	86
32	9.17139	84	9.17622	86	28	9.99516	1	10.82378	86
33	9.17223	84	9.17708	86	27	9.99515	2	10.82292	86
34	9.17307	84	9.17794	86	26	9.99513	2	10.82206	86
35	9.17391	83	9.17880	85	25	9.99511	2	10.82120	85
36	9.17474	84	9.17965	86	24	9.99509	2	10.82035	86
37	9.17558	83	9.18051	85	23	9.99507	2	10.81949	85
38	9.17641	83	9.18136	85	22	9.99505	2	10.81864	85
39	9.17724	83	9.18221	85	21	9.99503	2	10.81779	85
40	9.17807	83	9.18306	85	20	9.99501	2	10.81694	85
41	9.17890	83	9.18391	84	19	9.99499	2	10.81609	84
42	9.17973	82	9.18475	85	18	9.99497	2	10.81525	85
43	9.18055	82	9.18560	84	17	9.99495	2	10.81440	84
44	9.18137	83	9.18644	84	16	9.99493	2	10.81356	84
45	9.18220	82	9.18728	84	15	9.99491	1	10.81272	84
46	9.18302	81	9.18812	84	14	9.99490	2	10.81188	84
47	9.18383	82	9.18896	83	13	9.99488	2	10.81104	83
48	9.18465	82	9.18979	84	12	9.99486	2	10.81021	84
49	9.18547	81	9.19063	83	11	9.99484	2	10.80937	83
50	9.18628	81	9.19146	83	10	9.99482	2	10.80854	83
51	9.18709	81	9.19229	83	9	9.99480	2	10.80771	83
52	9.18790	81	9.19312	83	8	9.99478	2	10.80688	83
53	9.18871	81	9.19395	83	7	9.99476	2	10.80605	83
54	9.18952	81	9.19478	83	6	9.99474	2	10.80522	83
55	9.19033	80	9.19561	82	5	9.99472	2	10.80439	82
56	9.19113	80	9.19643	82	4	9.99470	2	10.80357	82
57	9.19193	80	9.19725	82	3	9.99468	2	10.80275	82
58	9.19273	80	9.19807	82	2	9.99466	2	10.80193	82
59	9.19353	80	9.19889	82	1	9.99464	2	10.80111	82
60	9.19433		9.19971		0	9.99462		10.80029	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 9.				Gradus 80.					
M.	Logarit.	Diff.	Meolog.	Diff.	M.	L. garit.	Diff.	Meolog.	Diff.
0	9.10433	80	9.10971	82	60	9.99462	2	10.80029	82
1	9.19513	79	9.20053	81	59	9.99460	2	10.79947	81
2	9.19592	80	9.20134	82	58	9.99458	2	10.79866	82
3	9.19672	79	9.20216	81	57	9.99456	2	10.79784	81
4	9.19751	79	9.20297	81	56	9.99454	2	10.79703	81
5	9.19830	79	9.20378	81	55	9.99452	2	10.79622	81
6	9.19909	79	9.20459	81	54	9.99450	2	10.79541	81
7	9.19988	79	9.20540	81	53	9.99448	2	10.79460	81
8	9.20067	78	9.20621	80	52	9.99446	2	10.79379	80
9	9.20145	78	9.20701	81	51	9.99444	2	10.79299	81
10	9.20223	79	9.20782	80	50	9.99442	2	10.79218	80
11	9.20302	78	9.20862	80	49	9.99440	2	10.79138	80
12	9.20380	78	9.20942	80	48	9.99438	2	10.79058	80
13	9.20458	77	9.21022	80	47	9.99436	2	10.78978	80
14	9.20535	78	9.21102	80	46	9.99434	2	10.78898	80
15	9.20613	78	9.21182	80	45	9.99432	2	10.78818	79
16	9.20691	77	9.21261	79	44	9.99430	3	10.78739	80
17	9.20768	77	9.21341	79	43	9.99427	2	10.78659	79
18	9.20845	77	9.21420	79	42	9.99425	2	10.78580	79
19	9.20922	77	9.21499	79	41	9.99423	2	10.78501	79
20	9.20999	77	9.21578	79	40	9.99421	2	10.78422	79
21	9.21076	77	9.21657	79	39	9.99419	2	10.78343	79
22	9.21153	76	9.21736	78	38	9.99417	2	10.78264	78
23	9.21229	77	9.21814	79	37	9.99415	2	10.78186	79
24	9.21306	76	9.21893	78	36	9.99413	2	10.78107	78
25	9.21382	76	9.21971	78	35	9.99411	2	10.78029	78
26	9.21458	76	9.22049	78	34	9.99409	3	10.77951	78
27	9.21534	76	9.22127	78	33	9.99406	2	10.77873	78
28	9.21610	75	9.22205	78	32	9.99404	2	10.77795	78
29	9.21685	76	9.22283	78	31	9.99402	2	10.77717	78
30	9.21761		9.22361	78	30	9.99400		10.77639	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 9.				Gradus 80.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.21761		9.22361		30	9.99400		10.77639	
31	9.21836	75	9.22438	77	29	9.99398	2	10.77562	77
32	9.21912	76	9.22516	78	28	9.99396	2	10.77484	78
33	9.21987	75	9.22593	77	27	9.99394	2	10.77407	77
34	9.22062	75	9.22670	77	26	9.99392	2	10.77330	77
35	9.22137	74	9.22747	77	25	9.99390	3	10.77253	77
36	9.22211	75	9.22824	77	24	9.99387	2	10.77176	77
37	9.22286	75	9.22901	76	23	9.99385	2	10.77099	76
38	9.22361	74	9.22977	77	22	9.99383	2	10.77023	77
39	9.22435	74	9.23054	76	21	9.99381	2	10.76946	76
40	9.22509	74	9.23130	76	20	9.99379	2	10.76870	76
41	9.22583	74	9.23206	77	19	9.99377	2	10.76794	77
42	9.22657	74	9.23283	76	18	9.99375	3	10.76717	76
43	9.22731	74	9.23359	76	17	9.99372	2	10.76641	76
44	9.22805	73	9.23435	75	16	9.99370	2	10.76565	75
45	9.22878	74	9.23510	76	15	9.99368	2	10.76490	76
46	9.22952	73	9.23586	75	14	9.99366	2	10.76414	75
47	9.23025	73	9.23661	76	13	9.99364	2	10.76339	76
48	9.23098	73	9.23737	75	12	9.99362	3	10.76263	75
49	9.23171	73	9.23812	75	11	9.99359	2	10.76188	75
50	9.23244	73	9.23887	75	10	9.99357	2	10.76113	75
51	9.23317	73	9.23962	75	9	9.99355	2	10.76038	75
52	9.23390	72	9.24037	75	8	9.99353	2	10.75963	75
53	9.23462	73	9.24112	74	7	9.99351	3	10.75888	74
54	9.23535	72	9.24186	75	6	9.99348	2	10.75814	75
55	9.23607	72	9.24261	74	5	9.99346	2	10.75739	74
56	9.23679	72	9.24335	75	4	9.99344	2	10.75665	75
57	9.23751	72	9.24410	74	3	9.99342	3	10.75590	74
58	9.23823	72	9.24484	74	2	9.99339	2	10.75516	74
59	9.23895	72	9.24558	74	1	9.99337	2	10.75442	74
60	9.23967		9.24632		0	9.99335		10.75368	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 10.					Gradus 79.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.23967	72	9.24632	74	60	9.99335	2	10.75368	74
1	9.24039	71	9.24706	73	59	9.99333	2	10.75294	73
2	9.24110	71	9.24779	74	58	9.99331	2	10.75221	74
3	9.24181	72	9.24853	73	57	9.99328	3	10.75147	73
4	9.24253	71	9.24926	74	56	9.99326	2	10.75074	74
5	9.24324	71	9.25000	73	55	9.99324	2	10.75000	73
6	9.24395	71	9.25073	73	54	9.99322	2	10.74927	73
7	9.24466	70	9.25146	73	53	9.99319	3	10.74854	73
8	9.24536	71	9.25219	73	52	9.99317	2	10.74781	73
9	9.24607	70	9.25292	73	51	9.99315	2	10.74708	73
10	9.24677	71	9.25365	72	50	9.99313	2	10.74635	72
11	9.24748	70	9.25437	73	49	9.99310	3	10.74563	73
12	9.24818	70	9.25510	72	48	9.99308	2	10.74490	72
13	9.24888	70	9.25582	73	47	9.99306	2	10.74418	73
14	9.24958	70	9.25655	72	46	9.99303	3	10.74345	72
15	9.25028	70	9.25727	72	45	9.99301	2	10.74273	72
16	9.25098	70	9.25799	72	44	9.99299	2	10.74201	72
17	9.25168	69	9.25871	72	43	9.99297	3	10.74129	72
18	9.25237	70	9.25943	72	42	9.99294	2	10.74057	72
19	9.25307	69	9.26015	71	41	9.99292	2	10.73985	71
20	9.25376	69	9.26086	71	40	9.99290	2	10.73914	72
21	9.25445	69	9.26158	71	39	9.99288	3	10.73842	71
22	9.25514	69	9.26229	72	38	9.99285	2	10.73771	72
23	9.25583	69	9.26301	71	37	9.99283	3	10.73699	71
24	9.25652	69	9.26372	71	36	9.99280	2	10.73628	71
25	9.25721	69	9.26443	71	35	9.99278	2	10.73557	71
26	9.25790	68	9.26514	71	34	9.99276	2	10.73486	71
27	9.25858	69	9.26585	70	33	9.99274	3	10.73415	70
28	9.25927	68	9.26655	71	32	9.99271	2	10.73345	71
29	9.25995	68	9.26726	71	31	9.99269	2	10.73274	71
30	9.26063		9.26797	71	30	9.99267		10.73203	



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 10.				Gradus 79.			
M.	Logarit.	Diff.	Mesolog.	M.	Logarit.	Diff.	Mesolog.
30	9.26063	68	9.26797	70	9.99267	3	10.73203
31	9.26131	68	9.26867	70	9.99264	2	10.73133
32	9.26199	68	9.26937	71	9.99262	3	10.73063
33	9.26267	68	9.27008	70	9.99259	2	10.72992
34	9.26335	68	9.27078	70	9.99257	2	10.72922
35	9.26403	67	9.27148	70	9.99255	3	10.72852
36	9.26470	68	9.27218	70	9.99252	2	10.72782
37	9.26538	67	9.27288	69	9.99250	2	10.72712
38	9.26605	67	9.27357	70	9.99248	3	10.72643
39	9.26672	67	9.27427	69	9.99245	2	10.72573
40	9.26739	67	9.27496	70	9.99243	2	10.72504
41	9.26806	67	9.27566	69	9.99241	3	10.72434
42	9.26873	67	9.27635	69	9.99238	2	10.72365
43	9.26940	67	9.27704	69	9.99236	3	10.72296
44	9.27007	66	9.27773	69	9.99233	2	10.72227
45	9.27073	67	9.27842	69	9.99231	2	10.72158
46	9.27140	66	9.27911	69	9.99229	3	10.72089
47	9.27206	66	9.27980	69	9.99226	2	10.72020
48	9.27273	66	9.28049	68	9.99224	3	10.71951
49	9.27339	67	9.28117	69	9.99221	2	10.71883
50	9.27405	66	9.28186	68	9.99219	2	10.71814
51	9.27471	66	9.28254	69	9.99217	3	10.71746
52	9.27537	65	9.28323	68	9.99214	2	10.71677
53	9.27602	66	9.28391	68	9.99212	3	10.71609
54	9.27668	66	9.28459	68	9.99209	2	10.71541
55	9.27734	65	9.28527	68	9.99207	3	10.71473
56	9.27799	65	9.28595	67	9.99204	2	10.71405
57	9.27864	66	9.28662	68	9.99202	3	10.71336
58	9.27930	65	9.28730	68	9.99199	2	10.71270
59	9.27995	65	9.28798	67	9.99197	2	10.71202
60	9.28060		9.28865		9.99195		10.71135

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 11.					Gradus 78.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit	Diff.	Mefolog.	Diff.
0	9.28060	65	9.28865	68	60	9.99195		10.71135	68
1	9.28125	65	9.28933	67	59	9.99192	3	10.71067	67
2	9.28190	64	9.29000	67	58	9.99190	2	10.71000	67
3	9.28254	65	9.29067	67	57	9.99187	3	10.70933	67
4	9.28319	65	9.29134	67	56	9.99185	2	10.70866	67
5	9.28384	65	9.29201	67	55	9.99182	3	10.70790	67
6	9.28448	64	9.29268	67	54	9.99180	2	10.70732	67
7	9.28512	65	9.29335	67	53	9.99177	3	10.70665	67
8	9.28577	64	9.29402	66	52	9.99175	2	10.70598	66
9	9.28641	64	9.29468	67	51	9.99172	3	10.70532	67
10	9.28705	64	9.29535	66	50	9.99170	2	10.70465	66
11	9.28769	64	9.29601	67	49	9.99167	3	10.70399	67
12	9.28833	63	9.29668	66	48	9.99165	2	10.70332	66
13	9.28896	64	9.29734	66	47	9.99162	3	10.70266	66
14	9.28960	64	9.29800	66	46	9.99160	2	10.70200	66
15	9.29024	63	9.29866	66	45	9.99157	3	10.70134	66
16	9.29087	63	9.29932	66	44	9.99155	2	10.70068	66
17	9.29150	64	9.29998	66	43	9.99152	3	10.70002	66
18	9.29214	63	9.30064	66	42	9.99150	2	10.69936	66
19	9.29277	63	9.30130	65	41	9.99147	3	10.69870	65
20	9.29340	63	9.30195	66	40	9.99145	2	10.69805	66
21	9.29403	63	9.30261	65	39	9.99142	3	10.69739	65
22	9.29466	63	9.30326	65	38	9.99140	2	10.69674	65
23	9.29529	62	9.30391	66	37	9.99137	3	10.69609	66
24	9.29591	63	9.30457	65	36	9.99135	2	10.69543	65
25	9.29654	62	9.30522	65	35	9.99132	3	10.69478	65
26	9.29716	63	9.30587	65	34	9.99129	2	10.69413	65
27	9.29779	62	9.30652	65	33	9.99127	3	10.69348	65
28	9.29841	62	9.30717	65	32	9.99124	2	10.69283	65
29	9.29903	63	9.30782	64	31	9.99122	3	10.69218	64
30	9.29966		9.30846		30	9.99119		10.69154	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 11.					Gradus 78.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.29966	62	9.30846	65	30	9.99119	2	10.69154	65
31	9.30028	62	9.30911	64	29	9.99117	3	10.69089	64
32	9.30090	61	9.30975	65	28	9.99114	3	10.69025	65
33	9.30151	62	9.31040	64	27	9.99111	2	10.68960	64
34	9.30213	62	9.31104	64	26	9.99109	3	10.68896	64
35	9.30275	61	9.31168	65	25	9.99106	2	10.68832	65
36	9.30336	62	9.31233	64	24	9.99104	3	10.68767	64
37	9.30398	61	9.31297	64	23	9.99101	3	10.68703	64
38	9.30459	62	9.31361	64	22	9.99098	2	10.68639	64
39	9.30521	61	9.31425	64	21	9.99096	3	10.68575	64
40	9.30582	61	9.31489	63	20	9.99093	2	10.68511	63
41	9.30643	61	9.31552	64	19	9.99091	3	10.68448	64
42	9.30704	61	9.31616	63	18	9.99088	3	10.68384	63
43	9.30765	61	9.31679	64	17	9.99085	2	10.68321	64
44	9.30826	61	9.31743	63	16	9.99083	3	10.68257	63
45	9.30887	60	9.31806	64	15	9.99080	2	10.68194	64
46	9.30947	61	9.31870	63	14	9.99078	3	10.68130	63
47	9.31008	60	9.31933	63	13	9.99075	3	10.68067	63
48	9.31068	61	9.31996	63	12	9.99072	2	10.68004	63
49	9.31129	60	9.32059	63	11	9.99070	3	10.67941	63
50	9.31189	61	9.32122	63	10	9.99067	3	10.67878	63
51	9.31250	60	9.32185	63	9	9.99064	2	10.67815	63
52	9.31310	60	9.32248	63	8	9.99062	3	10.67752	63
53	9.31370	60	9.32311	62	7	9.99059	3	10.67689	62
54	9.31430	60	9.32373	63	6	9.99056	2	10.67627	63
55	9.31490	59	9.32436	62	5	9.99054	3	10.67564	62
56	9.31549	60	9.32498	63	4	9.99051	3	10.67502	63
57	9.31609	60	9.32561	62	3	9.99048	2	10.67439	62
58	9.31669	59	9.32623	62	2	9.99046	3	10.67377	62
59	9.31728	60	9.32685	62	1	9.99043	3	10.67315	62
60	9.31788		9.32747		0	9.99040	3	10.67253	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 12.					Gradus 77.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.31788		9.32747	63	60	9.99040		10.67253	63
1	9.31847	59	9.32810	62	59	9.99038	2	10.67190	62
2	9.31907	60	9.32872	61	58	9.99035	3	10.67128	61
3	9.31966	59	9.32933	62	57	9.99032	2	10.67067	62
4	9.32025	59	9.32995	62	56	9.99030	3	10.67005	62
5	9.32084	59	9.33057	62	55	9.99027	3	10.66943	62
6	9.32143	59	9.33119	61	54	9.99024	3	10.66881	61
7	9.32202	59	9.33180	62	53	9.99021	2	10.66820	62
8	9.32261	58	9.33242	61	52	9.99019	3	10.66758	61
9	9.32319	59	9.33303	62	51	9.99016	2	10.66697	62
10	9.32378	59	9.33365	61	50	9.99013	2	10.66635	61
11	9.32437	58	9.33426	61	49	9.99011	3	10.66574	61
12	9.32495	58	9.33487	61	48	9.99008	3	10.66513	61
13	9.32553	59	9.33548	61	47	9.99005	3	10.66452	61
14	9.32612	58	9.33609	61	46	9.99002	2	10.66391	61
15	9.32670	58	9.33670	61	45	9.99000	3	10.66330	61
16	9.32728	58	9.33731	61	44	9.98997	3	10.66269	61
17	9.32786	58	9.33792	61	43	9.98994	3	10.66208	61
18	9.32844	58	9.33853	60	42	9.98991	2	10.66147	60
19	9.32902	58	9.33913	61	41	9.98989	3	10.66087	61
20	9.32960	58	9.33974	60	40	9.98986	3	10.66026	60
21	9.33018	57	9.34034	61	39	9.98983	3	10.65966	61
22	9.33075	58	9.34095	60	38	9.98980	2	10.65905	60
23	9.33133	57	9.34155	60	37	9.98978	3	10.65845	60
24	9.33190	58	9.34215	61	36	9.98975	3	10.65785	61
25	9.33248	57	9.34276	60	35	9.98972	3	10.65724	60
26	9.33305	57	9.34336	60	34	9.98969	3	10.65664	60
27	9.33362	58	9.34396	60	33	9.98966	2	10.65604	60
28	9.33420	57	9.34456	60	32	9.98964	3	10.65544	60
29	9.33477	57	9.34516	60	31	9.98961	3	10.65484	60
30	9.33534	57	9.34576	60	30	9.98958		10.65424	

## Tabula XIII.

Logarithmorum finium, &amp; tangentium.

Gradus 12.					Gradus 77.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
30	9.33534		9.34576		30	9.98958		10.65424	
31	9.33591	57	9.34635	59	29	9.98955	3	10.65365	59
32	9.33647	56	9.34695	60	28	9.98952	3	10.65305	60
33	9.33704	57	9.34755	59	27	9.98950	2	10.65245	59
34	9.33761	57	9.34814	60	26	9.98947	3	10.65186	60
35	9.33818	56	9.34874	59	25	9.98944	3	10.65126	59
36	9.33874	57	9.34933	59	24	9.98941	3	10.65067	59
37	9.33931	56	9.34992	59	23	9.98938	2	10.65008	59
38	9.33987	56	9.35051	60	22	9.98936	3	10.64949	60
39	9.34043	57	9.35111	59	21	9.98933	3	10.64889	59
40	9.34100	56	9.35170	59	20	9.98930	3	10.64830	59
41	9.34156	56	9.35229	59	19	9.98927	3	10.64771	59
42	9.34212	56	9.35288	59	18	9.98924	3	10.64712	59
43	9.34268	56	9.35347	58	17	9.98921	3	10.64653	58
44	9.34324	56	9.35405	59	16	9.98918	2	10.64595	59
45	9.34380	55	9.35464	59	15	9.98916	3	10.64536	59
46	9.34435	56	9.35523	58	14	9.98913	3	10.64477	58
47	9.34491	56	9.35581	59	13	9.98910	3	10.64419	59
48	9.34547	55	9.35640	58	12	9.98907	3	10.64360	58
49	9.34602	56	9.35698	59	11	9.98904	3	10.64302	59
50	9.34658	55	9.35757	58	10	9.98901	3	10.64243	58
51	9.34713	56	9.35815	58	9	9.98898	2	10.64185	58
52	9.34769	55	9.35873	58	8	9.98896	3	10.64127	58
53	9.34824	55	9.35931	58	7	9.98893	3	10.64069	58
54	9.34879	55	9.35989	58	6	9.98890	3	10.64011	58
55	9.34934	55	9.36047	58	5	9.98887	3	10.63953	58
56	9.34989	55	9.36105	58	4	9.98884	3	10.63895	58
57	9.35044	55	9.36163	58	3	9.98881	3	10.63837	58
58	9.35099	55	9.36221	58	2	9.98878	3	10.63779	58
59	9.35154	55	9.36279	57	1	9.98875	3	10.63721	57
60	9.35209		9.36336		0	9.98872	3	10.63664	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 13.					Gradus 76.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.35209		9.36336		60	9.98872		10.63664	
1	9.35263	54	9.36394	58	59	9.98869	3	10.63606	58
2	9.35318	55	9.36452	58	58	9.98866	3	10.63548	57
3	9.35373	55	9.36509	57	57	9.98864	3	10.63491	57
4	9.35427	54	9.36566	58	56	9.98861	3	10.63434	58
5	9.35481	54	9.36624	57	55	9.98858	3	10.63376	57
6	9.35536	55	9.36681	57	54	9.98855	3	10.63319	57
7	9.35590	54	9.36738	57	53	9.98852	3	10.63262	57
8	9.35644	54	9.36795	57	52	9.98849	3	10.63205	57
9	9.35698	54	9.36852	57	51	9.98846	3	10.63148	57
10	9.35752	54	9.36909	57	50	9.98843	3	10.63091	57
11	9.35806	54	9.36966	57	49	9.98840	3	10.63034	57
12	9.35860	54	9.37023	57	48	9.98837	3	10.62977	57
13	9.35914	54	9.37080	57	47	9.98834	3	10.62920	57
14	9.35968	54	9.37137	56	46	9.98831	3	10.62863	56
15	9.36022	53	9.37193	57	45	9.98828	3	10.62807	57
16	9.36075	54	9.37250	56	44	9.98825	3	10.62750	56
17	9.36129	53	9.37306	57	43	9.98822	3	10.62694	57
18	9.36182	53	9.37363	56	42	9.98819	3	10.62637	56
19	9.36235	54	9.37419	57	41	9.98816	3	10.62581	57
20	9.36289	53	9.37476	56	40	9.98813	3	10.62524	56
21	9.36342	53	9.37532	56	39	9.98810	3	10.62468	56
22	9.36395	54	9.37588	56	38	9.98807	3	10.62412	56
23	9.36449	53	9.37644	56	37	9.98804	3	10.62356	56
24	9.36502	53	9.37700	56	36	9.98801	3	10.62300	56
25	9.36555	53	9.37756	56	35	9.98798	3	10.62244	56
26	9.36608	52	9.37812	56	34	9.98795	3	10.62188	56
27	9.36660	53	9.37868	56	33	9.98792	3	10.62132	56
28	9.36713	53	9.37924	56	32	9.98789	3	10.62076	56
29	9.36766	53	9.37980	55	31	9.98786	3	10.62020	55
30	9.36819	53	9.38035		30	9.98783	3	10.61963	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 13.					Gradus 76.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.36818		9.38035	56	30	9.98783		10.61965	56
31	9.36871	53	9.38091	56	29	9.98780	3	10.61909	56
32	9.36924	52	9.38147	55	28	9.98777	3	10.61853	55
33	9.36976	52	9.38202	55	27	9.98774	3	10.61798	55
34	9.37028	53	9.38257	56	26	9.98771	3	10.61743	56
35	9.37081	52	9.38313	55	25	9.98768	3	10.61687	55
36	9.37133	52	9.38368	55	24	9.98765	3	10.61632	55
37	9.37185	52	9.38423	56	23	9.98762	3	10.61577	55
38	9.37237	52	9.38479	55	22	9.98759	3	10.61521	56
39	9.37289	52	9.38534	55	21	9.98756	3	10.61466	55
40	9.37341	52	9.38589	55	20	9.98753	3	10.61411	55
41	9.37393	52	9.38644	55	19	9.98749	4	10.61356	55
42	9.37445	52	9.38699	55	18	9.98746	3	10.61301	55
43	9.37497	52	9.38754	54	17	9.98743	3	10.61246	55
44	9.37549	51	9.38808	55	16	9.98740	3	10.61192	54
45	9.37600	52	9.38863	55	15	9.98737	3	10.61137	55
46	9.37652	51	9.38918	54	14	9.98734	3	10.61082	54
47	9.37703	52	9.38972	55	13	9.98731	3	10.61028	55
48	9.37755	51	9.39027	55	12	9.98728	3	10.60973	55
49	9.37806	52	9.39082	54	11	9.98725	3	10.60918	54
50	9.37858	51	9.39136	54	10	9.98722	3	10.60864	54
51	9.37909	51	9.39190	55	9	9.98719	3	10.60810	54
52	9.37960	51	9.39245	54	8	9.98715	4	10.60755	55
53	9.38011	51	9.39299	54	7	9.98712	3	10.60701	54
54	9.38062	51	9.39353	54	6	9.98709	3	10.60647	54
55	9.38113	51	9.39407	54	5	9.98706	3	10.60593	54
56	9.38164	51	9.39461	54	4	9.98703	3	10.60539	54
57	9.38215	51	9.39515	54	3	9.98700	3	10.60485	54
58	9.38266	51	9.39569	54	2	9.98697	3	10.60431	54
59	9.38317	51	9.39623	54	1	9.98693	4	10.60377	54
60	9.38368	51	9.39677	54	0	9.98690	5	10.60323	54

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 14.					Gradus 75.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
0	9.38368		9.39677		60	9.98690		10.60323	
1	9.38418	50	9.39731	54	59	9.98687	3	10.60269	54
2	9.38469	50	9.39785	53	58	9.98684	3	10.60215	53
3	9.38519	51	9.39838	54	57	9.98681	3	10.60162	54
4	9.38570	50	9.39892	53	56	9.98678	3	10.60108	53
5	9.38620	50	9.39945	54	55	9.98675	3	10.60055	54
6	9.38670	51	9.39999	53	54	9.98671	4	10.60001	53
7	9.38721	50	9.40052	54	53	9.98668	3	10.59948	54
8	9.38771	50	9.40106	53	52	9.98665	3	10.59894	53
9	9.38821	50	9.40159	53	51	9.98662	3	10.59841	53
10	9.38871	50	9.40212	54	50	9.98659	3	10.59788	54
11	9.38921	50	9.40266	53	49	9.98656	4	10.59734	53
12	9.38971	50	9.40319	53	48	9.98652	3	10.59681	53
13	9.39021	50	9.40372	53	47	9.98649	3	10.59628	53
14	9.39071	50	9.40425	53	46	9.98646	3	10.59575	53
15	9.39121	49	9.40478	53	45	9.98643	3	10.59522	53
16	9.39170	50	9.40531	53	44	9.98640	4	10.59469	53
17	9.39220	50	9.40584	52	43	9.98636	3	10.59416	52
18	9.39270	49	9.40636	53	42	9.98633	3	10.59364	53
19	9.39319	50	9.40689	53	41	9.98630	3	10.59311	53
20	9.39369	49	9.40742	53	40	9.98627	4	10.59258	53
21	9.39418	49	9.40795	52	39	9.98623	3	10.59205	52
22	9.39467	50	9.40847	53	38	9.98620	3	10.59153	53
23	9.39517	49	9.40900	52	37	9.98617	3	10.59100	52
24	9.39566	49	9.40952	53	36	9.98614	4	10.59048	53
25	9.39615	49	9.41005	52	35	9.98610	3	10.58995	52
26	9.39664	49	9.41057	52	34	9.98607	3	10.58943	52
27	9.39713	49	9.41109	52	33	9.98604	3	10.58891	52
28	9.39762	49	9.41161	53	32	9.98601	4	10.58839	53
29	9.39811	49	9.41214	52	31	9.98597	3	10.58786	52
30	9.39860	49	9.41266		30	9.98594		10.58734	



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 14.					Gradus 75.				
M.	Logarit.	Diff.	Meſolog.	Diff.	M.	Logarit.	Diff.	Meſolog.	Diff.
30	9.39860	49	9.41266	52	30	9.98594	3	10.58734	52
31	9.39909	48	9.41318	52	29	9.98591	3	10.58682	52
32	9.39957	49	9.41370	52	28	9.98588	3	10.58630	52
33	9.40006	49	9.41422	52	27	9.98584	4	10.58578	52
34	9.40055	48	9.41474	52	26	9.98581	3	10.58526	52
35	9.40103	49	9.41526	52	25	9.98578	3	10.58474	52
36	9.40152	48	9.41578	51	24	9.98574	4	10.58422	52
37	9.40200	49	9.41629	52	23	9.98571	3	10.58371	52
38	9.40249	48	9.41681	52	22	9.98568	3	10.58319	52
39	9.40297	49	9.41733	51	21	9.98565	3	10.58267	51
40	9.40346	48	9.41784	52	20	9.98561	4	10.58216	52
41	9.40394	48	9.41836	51	19	9.98558	3	10.58164	51
42	9.40442	48	9.41887	52	18	9.98555	3	10.58113	52
43	9.40490	48	9.41939	51	17	9.98551	4	10.58061	51
44	9.40538	48	9.41990	51	16	9.98548	3	10.58010	51
45	9.40586	48	9.42041	52	15	9.98545	3	10.57959	52
46	9.40634	48	9.42093	51	14	9.98541	4	10.57907	51
47	9.40682	48	9.42144	51	13	9.98538	3	10.57856	51
48	9.40730	48	9.42195	51	12	9.98535	3	10.57805	51
49	9.40778	48	9.42246	51	11	9.98531	4	10.57754	51
50	9.40825	47	9.42297	51	10	9.98528	3	10.57703	51
51	9.40873	48	9.42348	51	9	9.98525	3	10.57652	51
52	9.40921	48	9.42399	51	8	9.98521	3	10.57601	51
53	9.40968	47	9.42450	51	7	9.98518	3	10.57550	51
54	9.41016	48	9.42501	51	6	9.98515	4	10.57499	51
55	9.41063	47	9.42552	51	5	9.98511	3	10.57448	51
56	9.41111	48	9.42603	50	4	9.98508	4	10.57397	50
57	9.41158	47	9.42653	51	3	9.98504	3	10.57347	51
58	9.41205	47	9.42704	51	2	9.98501	3	10.57296	51
59	9.41252	47	9.42755	50	1	9.98498	4	10.57245	50
60	9.41300	48	9.42805		0	9.98494		10.57195	

## Tabula XXIII.

Logarithmorum finuum, &amp; tangentium.

Gradus 15.				Gradus 74.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.41300		9.42805		60	9.98494		10.57195	
1	9.41347	47	9.42855	50	69	9.98491	3	10.57144	50
2	9.41394	47	9.42906	51	78	9.98488	3	10.57094	51
3	9.41441	47	9.42957	50	87	9.98484	4	10.57043	51
4	9.41488	47	9.43007	50	96	9.98481	3	10.56993	50
5	9.41535	47	9.43057	51	95	9.98477	4	10.56943	50
6	9.41582	46	9.43108	50	94	9.98474	3	10.56892	51
7	9.41628	47	9.43158	50	93	9.98470	4	10.56842	50
8	9.41675	47	9.43208	50	92	9.98467	3	10.56792	50
9	9.41722	46	9.43258	50	91	9.98464	3	10.56742	50
10	9.41768	47	9.43308	50	90	9.98460	4	10.56692	50
11	9.41815	46	9.43358	50	89	9.98457	3	10.56642	50
12	9.41861	47	9.43408	50	88	9.98453	4	10.56592	50
13	9.41908	46	9.43458	50	87	9.98450	3	10.56542	50
14	9.41954	47	9.43508	50	86	9.98447	3	10.56492	50
15	9.42001	46	9.43558	49	85	9.98443	4	10.56442	50
16	9.42047	46	9.43607	50	84	9.98440	3	10.56393	49
17	9.42093	47	9.43657	50	83	9.98436	4	10.56343	50
18	9.42140	46	9.43707	49	82	9.98433	3	10.56293	50
19	9.42186	46	9.43756	50	81	9.98429	4	10.56244	49
20	9.42232	46	9.43806	49	80	9.98426	3	10.56194	50
21	9.42278	46	9.43855	50	79	9.98422	4	10.56145	49
22	9.42324	46	9.43905	49	78	9.98419	3	10.56095	50
23	9.42370	46	9.43954	50	77	9.98415	4	10.56046	49
24	9.42416	45	9.44004	49	76	9.98412	3	10.55996	50
25	9.42461	46	9.44053	49	75	9.98408	4	10.55947	49
26	9.42507	46	9.44102	49	74	9.98405	3	10.55898	49
27	9.42553	46	9.44151	50	73	9.98401	4	10.55849	50
28	9.42599	45	9.44201	49	72	9.98398	3	10.55799	49
29	9.42644	46	9.44250	49	71	9.98394	4	10.55750	49
30	9.42690		9.44299		70	9.98391	3	10.55701	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 15.				Gradus 74.					
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
30	9.42690		9.44295	49	30	9.98391		10.55701	
31	9.42735	45	9.44348	49	29	9.98388	3	10.55652	49
32	9.42781	45	9.44397	49	28	9.98384	4	10.55603	49
33	9.42826	45	9.44446	49	27	9.98481	3	10.55554	49
34	9.42872	46	9.44495	49	26	9.98377	4	10.55505	49
35	9.42917	45	9.44544	48	25	9.98373	4	10.55456	48
36	9.42962	45	9.44592	49	24	9.98370	3	10.55408	49
37	9.43008	46	9.44641	49	23	9.98366	4	10.55359	49
38	9.43053	45	9.44690	48	22	9.98363	3	10.55310	48
39	9.43098	45	9.44738	49	21	9.98359	4	10.55262	49
40	9.43143	45	9.44787	49	20	9.98356	3	10.55213	49
41	9.43188	45	9.44836	48	19	9.98352	4	10.55164	48
42	9.43233	45	9.44884	49	18	9.98349	3	10.55116	49
43	9.43278	45	9.44933	48	17	9.98345	4	10.55067	48
44	9.43323	44	9.44981	48	16	9.98342	3	10.55019	48
45	9.43367	45	9.45029	49	15	9.98338	4	10.54971	49
46	9.43412	45	9.45078	48	14	9.98334	4	10.54922	48
47	9.43457	45	9.45126	48	13	9.98331	3	10.54874	48
48	9.43502	45	9.45174	48	12	9.98327	4	10.54826	48
49	9.43546	44	9.45222	49	11	9.98324	3	10.54778	49
50	9.43591	45	9.45271	48	10	9.98320	4	10.54720	48
51	9.43635	44	9.45319	48	9	9.98316	4	10.54681	48
52	9.43680	45	9.45367	48	8	9.98313	3	10.54633	48
53	9.43724	44	9.45415	48	7	9.98309	4	10.54585	48
54	9.43769	45	9.45463	48	6	9.98306	3	10.54537	48
55	9.43813	44	9.45511	48	5	9.98302	4	10.54489	48
56	9.43857	44	9.45559	47	4	9.98299	3	10.54441	47
57	9.43901	44	9.45606	48	3	9.98295	4	10.54394	48
58	9.43946	44	9.45654	48	2	9.98291	3	10.54346	48
59	9.43990	44	9.45702	48	1	9.98288	4	10.54298	48
60	9.44034	44	9.45750	48	0	9.98284	4	10.54250	48

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 16.				Gradus 73.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.44024		9.45750		60	9.98284		10.54250	
1	9.44078	44	9.45797	47	59	9.98280	4	10.54203	47
2	9.44122	43	9.45845	48	58	9.98277	3	10.54155	48
3	9.44166	44	9.45892	47	57	9.98273	4	10.54108	47
4	9.44210	44	9.45940	48	56	9.98270	3	10.54060	48
5	9.44253	43	9.45987	47	55	9.98266	4	10.54013	47
6	9.44297	44	9.46035	48	54	9.98262	4	10.53965	48
7	9.44341	44	9.46082	47	53	9.98259	3	10.53918	47
8	9.44385	44	9.46130	48	52	9.98255	4	10.53870	48
9	9.44428	43	9.46177	47	51	9.98251	4	10.53823	47
10	9.44472	44	9.46224	47	50	9.98248	3	10.53776	47
11	9.44516	44	9.46271	48	49	9.98244	4	10.53729	47
12	9.44559	43	9.46319	47	48	9.98240	4	10.53681	48
13	9.44602	43	9.46366	47	47	9.98237	3	10.53634	47
14	9.44646	44	9.46413	47	46	9.98233	4	10.53587	47
15	9.44689	43	9.46460	47	45	9.98229	4	10.53540	47
16	9.44733	44	9.46507	47	44	9.98226	3	10.53493	47
17	9.44776	43	9.46554	47	43	9.98222	4	10.53446	47
18	9.44819	43	9.46601	47	42	9.98218	4	10.53399	47
19	9.44862	43	9.46648	46	41	9.98215	3	10.53352	46
20	9.44905	43	9.46694	47	40	9.98211	4	10.53306	47
21	9.44948	43	9.46741	47	39	9.98207	4	10.53259	47
22	9.44991	43	9.46788	47	38	9.98203	4	10.53212	47
23	9.45034	43	9.46835	46	37	9.98200	3	10.53165	46
24	9.45077	43	9.46881	47	36	9.98196	4	10.53119	47
25	9.45120	43	9.46928	47	35	9.98192	4	10.53072	47
26	9.45163	43	9.46975	46	34	9.98189	3	10.53025	46
27	9.45206	43	9.47021	47	33	9.98185	4	10.52979	47
28	9.45249	43	9.47068	46	32	9.98181	4	10.52932	46
29	9.45292	43	9.47114	46	31	9.98177	4	10.52886	46
30	9.45334	42	9.47160	46	30	9.98174	3	10.52840	46

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 16.					Gradus 73.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.45334	43	9.47160	47	30	9.98174	4	10.52840	47
31	9.45377	42	9.47207	46	29	9.98170	4	10.52793	46
32	9.45419	43	9.47253	46	28	9.98166	4	10.52747	46
33	9.45462	42	9.47299	47	27	9.98162	3	10.52701	47
34	9.45504	43	9.47346	46	26	9.98159	4	10.52654	46
35	9.45547	42	9.47392	46	25	9.98155	4	10.52608	48
36	9.45589	43	9.47438	46	24	9.98151	4	10.52562	46
37	9.45632	42	9.47484	46	23	9.98147	3	10.52516	46
38	9.45674	42	9.47530	46	22	9.98144	4	10.52470	46
39	9.45716	42	9.47576	46	21	9.98140	4	10.52424	46
40	9.45758	42	9.47622	46	20	9.98136	4	10.52378	46
41	9.45800	43	9.47668	46	19	9.98132	4	10.52332	46
42	9.45843	42	9.47714	46	18	9.98128	3	10.52286	46
43	9.45885	42	9.47760	46	17	9.98125	4	10.52240	46
44	9.45927	42	9.47806	46	16	9.98121	4	10.52194	46
45	9.45969	42	9.47852	45	15	9.98117	4	10.52148	45
46	9.46011	42	9.47897	46	14	9.98113	4	10.52103	46
47	9.46053	41	9.47943	46	13	9.98109	3	10.52057	46
48	9.46094	42	9.47989	46	12	9.98106	4	10.52011	46
49	9.46136	42	9.48035	45	11	9.98102	4	10.51965	45
50	9.46178	42	9.48080	46	10	9.98098	4	10.51920	46
51	9.46220	42	9.48126	45	9	9.98094	4	10.51874	45
52	9.46262	41	9.48171	46	8	9.98090	4	10.51829	46
53	9.46303	42	9.48217	45	7	9.98086	3	10.51783	45
54	9.46345	41	9.48262	45	6	9.98083	4	10.51738	45
55	9.46386	42	9.48307	46	5	9.98079	4	10.51693	46
56	9.46428	41	9.48353	45	4	9.98075	4	10.51647	45
57	9.46469	42	9.48398	45	3	9.98071	4	10.51602	45
58	9.46511	41	9.48443	46	2	9.98067	4	10.51557	46
59	9.46552	42	9.48489	45	1	9.98063	3	10.51511	45
60	9.46594	42	9.48534		0	9.98060		10.51466	

## Tabula XXXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 17.					Gradus 72.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
0	9.46594	41	9.48534	45	60	9.98060	4	10.51466	45
1	9.46635	41	9.48579	45	59	9.98056	4	10.51421	45
2	9.46676	41	9.48624	45	58	9.98052	4	10.51376	45
3	9.46717	41	9.48669	45	57	9.98048	4	10.51331	45
4	9.46758	42	9.48714	45	56	9.98044	4	10.51286	45
5	9.46800	41	9.48759	45	55	9.98040	4	10.51241	45
6	9.46841	41	9.48804	45	54	9.98036	4	10.51196	45
7	9.46882	41	9.48849	45	53	9.98032	4	10.51151	45
8	9.46923	41	9.48894	45	52	9.98029	3	10.51106	45
9	9.46964	41	9.48939	45	51	9.98025	4	10.51061	45
10	9.47005	40	9.48984	45	50	9.98021	4	10.51016	45
11	9.47045	41	9.49029	44	49	9.98017	4	10.50971	44
12	9.47086	41	9.49073	45	48	9.98013	4	10.50927	45
13	9.47127	41	9.49118	45	47	9.98009	4	10.50882	45
14	9.47168	40	9.49163	44	46	9.98005	4	10.50837	44
15	9.47208	41	9.49207	45	45	9.98001	4	10.50793	45
16	9.47249	41	9.49252	44	44	9.97997	4	10.50748	44
17	9.47290	40	9.49296	45	43	9.97993	4	10.50704	45
18	9.47330	41	9.49341	44	42	9.97989	4	10.50659	44
19	9.47371	40	9.49385	45	41	9.97985	4	10.50615	45
20	9.47411	41	9.49430	44	40	9.97981	4	10.50570	44
21	9.47452	40	9.49474	45	39	9.97978	3	10.50526	45
22	9.47492	41	9.49519	44	38	9.97974	4	10.50481	44
23	9.47533	40	9.49563	44	37	9.97970	4	10.50437	44
24	9.47573	40	9.49607	45	36	9.97966	4	10.50393	45
25	9.47613	40	9.49652	44	35	9.97962	4	10.50348	44
26	9.47653	41	9.49696	44	34	9.97958	4	10.50304	44
27	9.47694	40	9.49740	44	33	9.97954	4	10.50260	44
28	9.47734	40	9.49784	44	32	9.97950	4	10.50216	44
29	9.47774	40	9.49828	44	31	9.97946	4	10.50172	44
30	9.47814		9.49872		30	9.97942	4	10.50128	

# Tabula XXIII.

Logarithmorum sinuum, & tangentium.

Gradus 17.				Gradus 72.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.47814		9.49872		20	9.97942		10.50128	
31	9.47854	40	9.49916	44	29	9.97938	4	10.50084	44
32	9.47894	40	9.49960	44	28	9.97934	4	10.50040	44
33	9.47934	40	9.50004	44	27	9.97930	4	10.49996	44
34	9.47974	40	9.50048	44	26	9.97926	4	10.49952	44
35	9.48014	40	9.50092	44	25	9.97922	4	10.49908	44
36	9.48054	40	9.50136	44	24	9.97918	3	10.49864	44
37	9.48094	39	9.50180	44	23	9.97914	4	10.49820	44
38	9.48133	40	9.50223	43	22	9.97910	4	10.49777	43
39	9.48173	40	9.50267	44	21	9.97906	4	10.49733	44
40	9.48213	39	9.50311	44	20	9.97902	4	10.49689	44
41	9.48252	40	9.50355	44	19	9.97898	4	10.49645	44
42	9.48292	40	9.50398	43	18	9.97894	4	10.49602	43
43	9.48332	39	9.50442	44	17	9.97890	4	10.49558	44
44	9.48371	40	9.50485	43	16	9.97886	4	10.49515	43
45	9.48411	39	9.50529	44	15	9.97882	4	10.49471	44
46	9.48450	40	9.50572	43	14	9.97878	4	10.49428	43
47	9.48490	39	9.50616	44	13	9.97874	4	10.49384	44
48	9.48529	39	9.50659	43	12	9.97870	4	10.49341	43
49	9.48568	39	9.50703	44	11	9.97865	5	10.49297	44
50	9.48607	40	9.50746	43	10	9.97861	4	10.49254	43
51	9.48647	39	9.50789	43	9	9.97857	4	10.49211	43
52	9.48686	39	9.50833	44	8	9.97853	4	10.49167	44
53	9.48725	39	9.50876	43	7	9.97849	4	10.49124	43
54	9.48764	39	9.50919	43	6	9.97845	4	10.49081	43
55	9.48803	39	9.50962	43	5	9.97841	4	10.49038	43
56	9.48842	39	9.51005	43	4	9.97837	4	10.48995	43
57	9.48881	39	9.51048	43	3	9.97833	4	10.48952	43
58	9.48920	39	9.51092	44	2	9.97829	4	10.48908	44
59	9.48959	39	9.51135	43	1	9.97825	4	10.48865	43
60	9.48998	39	9.51178	43	0	9.97821	4	10.48822	43

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium;

Gradus 18.				Gradus 71.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.48998		9.51178		60	9.47820		10.48822	
1	9.49037	39	9.51221	43	59	9.47816	4	10.48779	43
2	9.49076	39	9.51264	42	58	9.47812	4	10.48736	42
3	9.49115	38	9.51306	43	57	9.47808	4	10.48694	43
4	9.49153	39	9.51349	43	56	9.47804	4	10.48651	43
5	9.49192	39	9.51392	43	55	9.47800	4	10.48608	43
6	9.49231	38	9.51435	43	54	9.47796	4	10.48565	43
7	9.49269	39	9.51478	42	53	9.47792	4	10.48522	42
8	9.49308	39	9.51520	43	52	9.47788	4	10.48480	43
9	9.49347	38	9.51563	43	51	9.47783	5	10.48437	43
10	9.49385	39	9.51606	42	50	9.47779	4	10.48394	42
11	9.49424	38	9.51648	43	49	9.47775	4	10.48352	43
12	9.49462	38	9.51691	43	48	9.47771	4	10.48309	43
13	9.49500	39	9.51734	42	47	9.47767	4	10.48266	42
14	9.49539	38	9.51776	43	46	9.47763	4	10.48224	43
15	9.49577	38	9.51819	42	45	9.47759	4	10.48181	42
16	9.49615	39	9.51861	42	44	9.47754	5	10.48139	42
17	9.49654	38	9.51903	43	43	9.47750	4	10.48097	43
18	9.49692	38	9.51946	42	42	9.47746	4	10.48054	42
19	9.49730	38	9.51988	43	41	9.47742	4	10.48012	43
20	9.49768	38	9.52031	42	40	9.47738	4	10.47969	42
21	9.49806	38	9.52073	42	39	9.47733	5	10.47927	42
22	9.49844	38	9.52115	42	38	9.47729	4	10.47885	42
23	9.49882	38	9.52157	43	37	9.47725	4	10.47843	43
24	9.49920	38	9.52200	42	36	9.47721	4	10.47800	42
25	9.49958	38	9.52242	42	35	9.47717	4	10.47758	42
26	9.49996	38	9.52284	42	34	9.47712	5	10.47716	42
27	9.50034	38	9.52326	42	33	9.47708	4	10.47674	42
28	9.50072	38	9.52368	42	32	9.47704	4	10.47632	42
29	9.50110	38	9.52410	42	31	9.47700	4	10.47590	42
30	9.50148	38	9.52452		30	9.47696	4	10.47548	



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 18.					Gradus 71.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.50148	37	9.52452	42	30	9.97606		10.47548	42
31	9.50185	38	9.52494	42	29	9.97691	5	10.47506	42
32	9.50223	38	9.52536	42	28	9.97687	4	10.47464	42
33	9.50261	37	9.52578	42	27	9.97683	4	10.47422	42
34	9.50298	38	9.52620	41	26	9.97679	4	10.47380	41
35	9.50336	37	9.52661	42	25	9.97674	5	10.47339	42
36	9.50373	38	9.52703	42	24	9.97670	4	10.47297	42
37	9.50411	37	9.52745	42	23	9.97666	4	10.47255	42
38	9.50448	38	9.52787	42	22	9.97662	5	10.47213	42
39	9.50486	37	9.52829	41	21	9.97657	4	10.47171	41
40	9.50523	38	9.52870	42	20	9.97653	4	10.47130	42
41	9.50561	37	9.52912	41	19	9.97649	4	10.47088	41
42	9.50598	37	9.52953	42	18	9.97645	4	10.47047	42
43	9.50635	38	9.52995	42	17	9.97640	5	10.47005	42
44	9.50673	37	9.53037	41	16	9.97636	4	10.46963	41
45	9.50710	37	9.53078	42	15	9.97632	4	10.46922	42
46	9.50747	37	9.53120	41	14	9.97627	5	10.46880	41
47	9.50784	37	9.53161	41	13	9.97623	4	10.46839	41
48	9.50821	37	9.53202	42	12	9.97619	4	10.46798	42
49	9.50858	37	9.53244	41	11	9.97615	4	10.46756	41
50	9.50895	37	9.53285	42	10	9.97610	5	10.46715	42
51	9.50932	37	9.53327	41	9	9.97606	4	10.46673	41
52	9.50969	37	9.53368	41	8	9.97602	4	10.46632	41
53	9.51006	37	9.53409	41	7	9.97597	5	10.46591	41
54	9.51043	37	9.53450	42	6	9.97593	4	10.46550	42
55	9.51080	37	9.53492	41	5	9.97589	4	10.46508	41
56	9.51117	37	9.53533	41	4	9.97584	5	10.46467	41
57	9.51154	37	9.53574	41	3	9.97580	4	10.46426	41
58	9.51191	36	9.53615	41	2	9.97576	4	10.46385	41
59	9.51227	37	9.53656	41	1	9.97571	5	10.46344	41
60	9.51264		9.53697		0	9.97567	4	10.46303	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 19.					Gradus 70.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.51264	37	9.53697	41	60	9.97567	4	10.46303	41
1	9.51301	36	9.53738	41	59	9.97563	5	10.46262	41
2	9.51337	37	9.53779	41	58	9.97558	4	10.46221	41
3	9.51374	37	9.53820	41	57	9.97554	5	10.46180	41
4	9.51411	36	9.53861	41	56	9.97549	4	10.46139	41
5	9.51447	37	9.53902	41	55	9.97545	4	10.46098	41
6	9.51484	36	9.53943	41	54	9.97541	5	10.46057	41
7	9.51520	37	9.53984	41	53	9.97536	4	10.46016	41
8	9.51557	36	9.54025	40	52	9.97532	4	10.45975	40
9	9.51593	36	9.54065	41	51	9.97528	5	10.45935	41
10	9.51629	37	9.54106	41	50	9.97523	4	10.45894	41
11	9.51666	36	9.54147	40	49	9.97519	5	10.45853	40
12	9.51702	36	9.54187	41	48	9.97514	4	10.45813	41
13	9.51738	36	9.54228	41	47	9.97510	4	10.45772	41
14	9.51774	37	9.54269	40	46	9.97506	5	10.45731	40
15	9.51811	36	9.54309	41	45	9.97501	4	10.45691	41
16	9.51847	36	9.54350	40	44	9.97497	5	10.45650	40
17	9.51883	36	9.54390	41	43	9.97492	4	10.45610	41
18	9.51919	36	9.54431	40	42	9.97488	4	10.45569	40
19	9.51955	36	9.54471	41	41	9.97484	5	10.45529	41
20	9.51991	36	9.54512	40	40	9.97479	4	10.45488	40
21	9.52027	36	9.54552	41	39	9.97475	5	10.45448	41
22	9.52063	36	9.54593	40	38	9.97470	4	10.45407	40
23	9.52099	36	9.54633	40	37	9.97466	5	10.45367	40
24	9.52135	36	9.54673	41	36	9.97461	4	10.45327	41
25	9.52171	35	9.54714	40	35	9.97457	5	10.45286	40
26	9.52206	36	9.54754	40	34	9.97452	4	10.45246	40
27	9.52242	36	9.54794	41	33	9.97448	4	10.45206	41
28	9.52278	36	9.54835	40	32	9.97444	5	10.45165	40
29	9.52314	35	9.54875	40	31	9.97439	4	10.45125	40
30	9.52349		9.54915		30	9.97435		10.45085	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 19.					Gradus 70.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.52349	36	9.54915	40	30	9.97435	5	10.45085	40
31	9.52385	36	9.54955	40	29	9.97430	4	10.45045	40
32	9.52421	35	9.54995	40	28	9.97426	5	10.45005	40
33	9.52456	36	9.55035	40	27	9.97421	4	10.44965	40
34	9.52492	35	9.55075	40	26	9.97417	5	10.44925	40
35	9.52527	36	9.55115	40	25	9.97412	4	10.44885	40
36	9.52563	35	9.55155	40	24	9.97408	5	10.44845	40
37	9.52598	36	9.55195	40	23	9.97403	4	10.44805	40
38	9.52634	35	9.55235	40	22	9.97399	5	10.44765	40
39	9.52669	36	9.55275	40	21	9.97394	5	10.44725	40
40	9.52705	35	9.55315	40	20	9.97390	4	10.44685	40
41	9.52740	35	9.55355	40	19	9.97385	5	10.44645	40
42	9.52775	35	9.55395	39	18	9.97381	4	10.44605	39
43	9.52810	36	9.55434	40	17	9.97376	5	10.44566	40
44	9.52846	35	9.55474	40	16	9.97372	4	10.44526	40
45	9.52881	35	9.55514	40	15	9.97367	5	10.44486	40
46	9.52916	35	9.55554	39	14	9.97362	4	10.44446	39
47	9.52951	35	9.55593	40	13	9.97358	5	10.44407	40
48	9.52986	35	9.55633	40	12	9.97353	4	10.44367	40
49	9.53021	35	9.55673	39	11	9.97349	5	10.44327	39
50	9.53056	35	9.55712	40	10	9.97344	4	10.44288	40
51	9.53091	35	9.55752	39	9	9.97340	5	10.44248	39
52	9.53126	35	9.55791	40	8	9.97335	4	10.44209	40
53	9.53161	35	9.55831	39	7	9.97331	5	10.44169	39
54	9.53196	35	9.55870	40	6	9.97326	5	10.44130	40
55	9.53231	35	9.55910	39	5	9.97322	4	10.44090	39
56	9.53266	35	9.55949	40	4	9.97317	5	10.44051	40
57	9.53301	35	9.55989	39	3	9.97312	4	10.44011	39
58	9.53336	35	9.56028	39	2	9.97308	5	10.43972	39
59	9.53370	35	9.56067	40	1	9.97303	5	10.43933	40
60	9.53405		9.56107		0	9.97298		10.43893	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 20.					Gradus 69.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
C	9.53405	35	9.56107	39	60	9.97298		10.43893	39
1	9.53440	34	9.56146	39	59	9.97294	4	10.43854	39
2	9.53474	35	9.56185	39	58	9.97289	5	10.43815	39
3	9.53509	35	9.56224	40	57	9.97285	4	10.43776	40
4	9.53544	34	9.56264	39	56	9.97280	5	10.43736	39
5	9.53578	35	9.56303	39	55	9.97275	5	10.43697	39
6	9.53613	34	9.56342	39	54	9.97271	4	10.43658	39
7	9.53647	35	9.56381	39	53	9.97266	5	10.43619	39
8	9.53682	34	9.56420	39	52	9.97262	4	10.43580	39
9	9.53716	35	9.56459	39	51	9.97257	5	10.43541	39
10	9.53751	34	9.56498	39	50	9.97252	5	10.43502	39
11	9.53785	34	9.56537	39	49	9.97248	4	10.43463	39
12	9.53819	35	9.56576	39	48	9.97243	5	10.43424	39
13	9.53854	34	9.56615	39	47	9.97238	5	10.43385	39
14	9.53888	34	9.56654	39	46	9.97234	4	10.43346	39
15	9.53922	34	9.56693	39	45	9.97229	5	10.43307	39
16	9.53956	35	9.56732	39	44	9.97224	5	10.43268	39
17	9.53991	34	9.56771	39	43	9.97220	4	10.43229	39
18	9.54025	34	9.56810	39	42	9.97215	5	10.43190	39
19	9.54059	34	9.56849	38	41	9.97210	5	10.43151	38
20	9.54093	34	9.56887	39	40	9.97206	4	10.43113	39
21	9.54127	34	9.56926	39	39	9.97201	5	10.43074	39
22	9.54161	34	9.56965	39	38	9.97196	5	10.43035	39
23	9.54195	34	9.57004	38	37	9.97192	4	10.42996	38
24	9.54229	34	9.57042	39	36	9.97187	5	10.42958	39
25	9.54263	34	9.57081	39	35	9.97182	5	10.42919	39
26	9.54297	34	9.57120	38	34	9.97178	4	10.42880	38
27	9.54331	34	9.57158	39	33	9.97173	5	10.42842	39
28	9.54365	34	9.57197	38	32	9.97168	5	10.42803	38
29	9.54399	34	9.57235	39	31	9.97163	5	10.42765	39
30	9.54433	34	9.57274	39	30	9.97159	4	10.42726	39

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 20.					Gradus 69.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.54433		9.57274	38	30	9.97150		10.42726	38
31	9.54466	33	9.57312	39	29	9.97154	5	10.42688	39
32	9.54500	34	9.57351	38	28	9.97149	5	10.42649	38
33	9.54534	33	9.57389	39	27	9.97144	4	10.42611	39
34	9.54567	34	9.57428	38	26	9.97140	5	10.42572	38
35	9.54601	34	9.57466	38	25	9.97135	5	10.42534	38
36	9.54635	33	9.57504	39	24	9.97130	4	10.42496	39
37	9.54668	34	9.57543	38	23	9.97126	5	10.42457	38
38	9.54702	33	9.57581	38	22	9.97121	5	10.42419	38
39	9.54735	34	9.57619	39	21	9.97116	5	10.42381	39
40	9.54769	33	9.57658	38	20	9.97111	5	10.42342	38
41	9.54802	34	9.57696	38	19	9.97106	4	10.42304	38
42	9.54836	33	9.57734	38	18	9.97102	5	10.42266	38
43	9.54869	34	9.57772	38	17	9.97097	5	10.42228	38
44	9.54903	33	9.57810	39	16	9.97092	5	10.42190	39
45	9.54936	33	9.57849	38	15	9.97087	5	10.42151	38
46	9.54969	34	9.57887	38	14	9.97083	4	10.42113	38
47	9.55003	33	9.57925	38	13	9.97078	5	10.42075	38
48	9.55036	33	9.57963	38	12	9.97073	5	10.42037	38
49	9.55069	33	9.58001	38	11	9.97068	5	10.41999	38
50	9.55102	33	9.58039	38	10	9.97063	5	10.41961	38
51	9.55135	34	9.58077	38	9	9.97059	4	10.41923	38
52	9.55169	33	9.58115	38	8	9.97054	5	10.41885	38
53	9.55202	33	9.58153	38	7	9.97049	5	10.41847	38
54	9.55235	33	9.58191	38	6	9.97044	5	10.41809	38
55	9.55268	33	9.58229	38	5	9.97039	5	10.41771	38
56	9.55301	33	9.58267	37	4	9.97034	4	10.41733	37
57	9.55334	33	9.58304	38	3	9.97030	5	10.41696	38
58	9.55367	33	9.58342	38	2	9.97025	5	10.41658	38
59	9.55400	33	9.58380	38	1	9.97020	5	10.41620	38
60	9.55433	33	9.58418	38	0	9.97015	5	10.41582	38

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 21.					Gradus 68.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
0	9.55433		9.58418		60	9.97015		10.41582	
1	9.55466	33	9.58455	37	59	9.97010	5	10.41545	38
2	9.55499	33	9.58493	38	58	9.97005	5	10.41507	38
3	9.55531	33	9.58531	38	57	9.97001	4	10.41469	38
4	9.55564	33	9.58569	37	56	9.96996	5	10.41431	37
5	9.55597	33	9.58606	38	55	9.96991	5	10.41394	38
6	9.55630	32	9.58644	37	54	9.96986	5	10.41356	37
7	9.55662	33	9.58681	38	53	9.96981	5	10.41319	38
8	9.55695	33	9.58719	38	52	9.96976	5	10.41281	38
9	9.55728	33	9.58757	37	51	9.96971	5	10.41243	37
10	9.55761	32	9.58794	38	50	9.96966	5	10.41206	38
11	9.55793	33	9.58832	37	49	9.96961	4	10.41168	37
12	9.55826	32	9.58869	38	48	9.96957	5	10.41131	38
13	9.55858	33	9.58907	37	47	9.96952	5	10.41093	37
14	9.55891	32	9.58944	37	46	9.96947	5	10.41056	37
15	9.55923	33	9.58981	38	45	9.96942	5	10.41019	38
16	9.55956	32	9.59019	37	44	9.96937	5	10.40981	37
17	9.55988	33	9.59056	38	43	9.96932	5	10.40944	38
18	9.56021	32	9.59094	37	42	9.96927	5	10.40906	37
19	9.56053	32	9.59131	37	41	9.96922	5	10.40869	37
20	9.56085	33	9.59168	37	40	9.96917	5	10.40832	37
21	9.56118	32	9.59205	38	39	9.96912	5	10.40795	38
22	9.56150	32	9.59243	37	38	9.96907	5	10.40757	37
23	9.56182	33	9.59280	37	37	9.96902	5	10.40720	37
24	9.56215	32	9.59317	37	36	9.96897	5	10.40683	37
25	9.56247	32	9.59354	37	35	9.96893	4	10.40646	37
26	9.56279	32	9.59391	38	34	9.96888	5	10.40609	38
27	9.56311	32	9.59429	37	33	9.96883	5	10.40571	37
28	9.56343	32	9.59466	37	32	9.96878	5	10.40534	37
29	9.56375	32	9.59503	37	31	9.96873	5	10.40497	37
30	9.56407		9.59540		30	9.96868		10.40460	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 21.				Gradus 68.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.56407		9.59540		30	9.96868		10.40460	
31	9.56440	33	9.59577	37	29	9.96863	5	10.40423	37
32	9.56472	32	9.59614	37	28	9.96858	5	10.40386	37
33	9.56504	32	9.59651	37	27	9.96853	5	10.40349	37
34	9.56536	32	9.59688	37	26	9.96848	5	10.40312	37
35	9.56568	31	9.59725	37	25	9.96843	5	10.40275	37
36	9.56599	32	9.59762	37	24	9.96838	5	10.40238	37
37	9.56631	32	9.59799	36	23	9.96833	5	10.40201	36
38	9.56663	32	9.59835	37	22	9.96828	5	10.40165	37
39	9.56695	32	9.59872	37	21	9.96823	5	10.40128	37
40	9.56727	32	9.59909	37	20	9.96818	5	10.40091	37
41	9.56759	31	9.59946	37	19	9.96813	5	10.40054	37
42	9.56790	32	9.59983	36	18	9.96808	5	10.40017	37
43	9.56822	32	9.60019	37	17	9.96803	5	10.39981	36
44	9.56854	31	9.60056	37	16	9.96798	5	10.39944	37
45	9.56885	32	9.60093	37	15	9.96793	5	10.39907	37
46	9.56917	32	9.60130	36	14	9.96788	6	10.39870	37
47	9.56949	31	9.60166	37	13	9.96782	5	10.39834	36
48	9.56980	32	9.60203	37	12	9.96777	5	10.39797	37
49	9.57012	31	9.60240	37	11	9.96772	5	10.39760	37
50	9.57043	32	9.60276	36	10	9.96767	5	10.39724	36
51	9.57075	31	9.60313	37	9	9.96762	5	10.39687	37
52	9.57106	32	9.60349	37	8	9.96757	5	10.39651	36
53	9.57138	31	9.60386	36	7	9.96752	5	10.39614	37
54	9.57169	32	9.60422	37	6	9.96747	5	10.39578	36
55	9.57201	31	9.60459	36	5	9.96742	5	10.39541	37
56	9.57232	32	9.60495	37	4	9.96737	5	10.39505	36
57	9.57264	31	9.60532	36	3	9.96732	5	10.39468	37
58	9.57295	31	9.60568	37	2	9.96727	5	10.39432	36
59	9.57326	31	9.60605	37	1	9.96722	5	10.39395	37
60	9.57358	32	9.60641	36	0	9.96717	5	10.39359	36

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

## Gradus 22.

M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.57358	32	9.60641	36
1	9.57389	31	9.60677	37
2	9.57420	31	9.60714	36
3	9.57451	31	9.60750	36
4	9.57482	32	9.60786	37
5	9.57514	31	9.60823	36
6	9.57545	31	9.60859	36
7	9.57576	31	9.60895	36
8	9.57607	31	9.60931	36
9	9.57638	31	9.60967	37
10	9.57669	31	9.61004	36
11	9.57700	31	9.61040	36
12	9.57731	31	9.61076	36
13	9.57762	31	9.61112	36
14	9.57793	31	9.61148	36
15	9.57824	31	9.61184	36
16	9.57855	30	9.61220	36
17	9.57885	31	9.61256	36
18	9.57916	31	9.61292	36
19	9.57947	31	9.61328	36
20	9.57978	30	9.61364	36
21	9.58008	31	9.61400	36
22	9.58039	31	9.61436	36
23	9.58070	31	9.61472	36
24	9.58101	30	9.61508	36
25	9.58131	31	9.61544	35
26	9.58162	30	9.61579	36
27	9.58192	31	9.61615	36
28	9.58223	30	9.61651	36
29	9.58253	31	9.61687	35
30	9.58284		9.61722	

## Gradus 67.

M.	Logarit.	Diff.	Mefolog.	Diff.
60	9.96717	6	10.39359	36
59	9.96711	5	10.39323	37
58	9.96706	5	10.39286	36
57	9.96701	5	10.39250	36
56	9.96696	5	10.39214	37
55	9.96691	5	10.39177	36
54	9.96686	5	10.39141	36
53	9.96681	5	10.39105	36
52	9.96676	6	10.39069	36
51	9.96670	5	10.39033	37
50	9.96665	5	10.38996	36
49	9.96660	5	10.38960	36
48	9.96655	5	10.38924	36
47	9.96650	5	10.38888	36
46	9.96645	5	10.38852	36
45	9.96640	5	10.38816	36
44	9.96634	6	10.38780	36
43	9.96629	5	10.38744	36
42	9.96624	5	10.38708	36
41	9.96619	5	10.38672	36
40	9.96614	6	10.38636	36
39	9.96608	5	10.38600	36
38	9.96603	5	10.38564	36
37	9.96598	5	10.38528	36
36	9.96593	5	10.38492	36
35	9.96588	6	10.38456	35
34	9.96582	5	10.38421	36
33	9.96577	5	10.38385	36
32	9.96572	5	10.38349	36
31	9.96567	6	10.38313	35
30	9.96562		10.38278	



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 22.					Gradus 67.				
M.	Logarit.	Diff.	M. sinog.	Diff.	M.	Logarit.	Diff.	M. seclog.	Diff.
30	9.58284	30	9.61722	36	30	9.96562	6	10.38278	36
31	9.58314	31	9.61758	36	29	9.96556	5	10.38242	36
32	9.58345	30	9.61794	36	28	9.96551	5	10.38206	36
33	9.58375	31	9.61830	35	27	9.96546	6	10.38170	35
34	9.58406	30	9.61865	36	26	9.96540	5	10.38135	36
35	9.58436	31	9.61901	35	25	9.96535	5	10.38099	35
36	9.58467	30	9.61936	36	24	9.96530	5	10.38064	36
37	9.58497	30	9.61972	36	23	9.96525	6	10.38028	36
38	9.58527	30	9.62008	35	22	9.96519	5	10.37992	35
39	9.58557	31	9.62043	36	21	9.96514	5	10.37957	36
40	9.58588	30	9.62079	35	20	9.96509	5	10.37921	35
41	9.58618	30	9.62114	36	19	9.96504	6	10.37886	36
42	9.58648	30	9.62150	35	18	9.96498	5	10.37850	35
43	9.58678	31	9.62185	36	17	9.96493	5	10.37815	36
44	9.58709	30	9.62221	35	16	9.96488	5	10.37779	35
45	9.58739	30	9.62256	36	15	9.96482	6	10.37744	36
46	9.58769	30	9.62292	35	14	9.96477	5	10.37708	35
47	9.58799	30	9.62327	35	13	9.96472	5	10.37673	35
48	9.58829	30	9.62362	36	12	9.96467	6	10.37638	36
49	9.58859	30	9.62398	35	11	9.96461	5	10.37602	35
50	9.58889	30	9.62433	35	10	9.96456	5	10.37567	35
51	9.58919	30	9.62468	36	9	9.96451	5	10.37532	36
52	9.58949	30	9.62504	35	8	9.96445	6	10.37496	35
53	9.58979	30	9.62539	35	7	9.96440	5	10.37461	35
54	9.59009	30	9.62574	35	6	9.96435	5	10.37426	35
55	9.59039	30	9.62609	36	5	9.96429	6	10.37391	36
56	9.59069	29	9.62645	35	4	9.96424	5	10.37355	35
57	9.59098	30	9.62680	35	3	9.96419	6	10.37320	35
58	9.59128	30	9.62715	35	2	9.96413	5	10.37285	35
59	9.59158	30	9.62750	35	1	9.96408	5	10.37250	35
60	9.59188	30	9.62785	35	0	9.96403	5	10.37215	35

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 23.					Gradus 66.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
0	9.59188		9.62785		60	9.96403		10.37215	
1	9.59218	30	9.62820	35	59	9.96397	6	10.37180	35
2	9.59247	29	9.62855	35	58	9.96392	5	10.37145	35
3	9.59277	30	9.62890	35	57	9.96387	5	10.37110	35
4	9.59307	30	9.62926	36	56	9.96381	6	10.37074	36
5	9.59336	29	9.62961	35	55	9.96376	5	10.37039	35
6	9.59366	30	9.62996	35	54	9.96370	6	10.37004	35
7	9.59396	30	9.63031	35	53	9.96365	5	10.36969	35
8	9.59425	29	9.63066	35	52	9.96360	5	10.36934	35
9	9.59455	30	9.63101	35	51	9.96354	6	10.36899	35
10	9.59484	29	9.63135	34	50	9.96349	5	10.36865	34
11	9.59514	30	9.63170	35	49	9.96343	6	10.36830	35
12	9.59543	29	9.63205	35	48	9.96338	5	10.36830	35
13	9.59573	30	9.63240	35	47	9.96333	5	10.36795	35
14	9.59602	29	9.63275	35	46	9.96327	6	10.36760	35
15	9.59632	30	9.63310	35	45	9.96322	5	10.36725	35
16	9.59661	29	9.63345	35	44	9.96316	6	10.36690	35
17	9.59690	30	9.63379	34	43	9.96311	5	10.36655	35
18	9.59720	29	9.63414	35	42	9.96305	6	10.36621	34
19	9.59749	30	9.63449	35	41	9.96300	5	10.36586	35
20	9.59778	29	9.63484	35	40	9.96294	6	10.36551	35
21	9.59808	30	9.63519	35	39	9.96289	5	10.36516	35
22	9.59837	29	9.63553	34	38	9.96283	6	10.36481	35
23	9.59866	30	9.63588	35	37	9.96278	5	10.36447	34
24	9.59895	29	9.63623	35	36	9.96273	5	10.36412	35
25	9.59924	30	9.63657	34	35	9.96267	6	10.36377	35
26	9.59954	29	9.63692	35	34	9.96262	5	10.36343	34
27	9.59983	30	9.63726	35	33	9.96256	6	10.36308	35
28	9.60012	29	9.63761	34	32	9.96251	5	10.36274	34
29	9.60041	30	9.63796	35	31	9.96245	6	10.36239	35
30	9.60070	29	9.63830	34	30	9.96240	5	10.36204	35
								10.36170	34

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 23.				Gradus 66.			
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.
30	9.60070		9.63830		30	9.96240	
31	9.60099	29	9.63865	35	29	9.96234	6
32	9.60128	29	9.63899	34	28	9.96229	5
33	9.60157	29	9.63934	35	27	9.96223	6
34	9.60186	29	9.63968	34	26	9.96218	5
35	9.60215	29	9.64003	35	25	9.96212	6
36	9.60244	29	9.64037	34	24	9.96207	5
37	9.60273	29	9.64072	35	23	9.96201	6
38	9.60312	29	9.64106	34	22	9.96196	5
39	9.60331	28	9.64140	34	21	9.96190	6
40	9.60359	29	9.64175	35	20	9.96185	5
41	9.60388	29	9.64209	34	19	9.96179	6
42	9.60417	29	9.64243	34	18	9.96174	5
43	9.60446	28	9.64278	35	17	9.96168	6
44	9.60474	29	9.64312	34	16	9.96162	5
45	9.60503	29	9.64346	34	15	9.96157	6
46	9.60532	29	9.64381	35	14	9.96151	5
47	9.60561	28	9.64415	34	13	9.96146	6
48	9.60589	29	9.64449	34	12	9.96140	5
49	9.60618	28	9.64483	34	11	9.96135	6
50	9.60646	29	9.64517	34	10	9.96129	5
51	9.60675	29	9.64552	35	9	9.96123	6
52	9.60704	28	9.64586	34	8	9.96118	5
53	9.60732	29	9.64620	34	7	9.96112	6
54	9.60761	28	9.64654	34	6	9.96107	5
55	9.60789	29	9.64688	34	5	9.96101	6
56	9.60818	28	9.64722	34	4	9.96095	5
57	9.60846	29	9.64756	34	3	9.96090	6
58	9.60875	28	9.64790	34	2	9.96085	5
59	9.60903	28	9.64824	34	1	9.96079	6
60	9.60931		9.64858		0	9.96073	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium:

Gradus 24.					Gradus 65.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.60931	29	9.64858	34	60	9.96073	6	10.35142	34
1	9.60960	28	9.64892	34	59	9.96067	5	10.35108	34
2	9.60988	28	9.64926	34	58	9.96062	6	10.35074	34
3	9.61016	29	9.64960	34	57	9.96056	6	10.35040	34
4	9.61045	28	9.64994	34	56	9.96050	5	10.35006	34
5	9.61073	28	9.65028	34	55	9.96045	6	10.34972	34
6	9.61101	28	9.65062	34	54	9.96039	6	10.34938	34
7	9.61129	29	9.65096	34	53	9.96033	5	10.34904	34
8	9.61158	28	9.65130	34	52	9.96028	6	10.34870	34
9	9.61186	28	9.65164	33	51	9.96022	5	10.34836	33
10	9.61214	28	9.65197	34	50	9.96017	6	10.34803	34
11	9.61242	28	9.65231	34	49	9.96011	6	10.34769	34
12	9.61270	28	9.65265	34	48	9.96005	5	10.34735	34
13	9.61298	28	9.65299	34	47	9.96000	6	10.34701	34
14	9.61326	28	9.65333	33	46	9.95994	6	10.34667	33
15	9.61354	28	9.65366	34	45	9.95988	6	10.34634	34
16	9.61382	28	9.65400	34	44	9.95982	5	10.34600	34
17	9.61410	28	9.65434	33	43	9.95977	6	10.34566	33
18	9.61438	28	9.65467	34	42	9.95971	6	10.34533	34
19	9.61466	28	9.65501	34	41	9.95965	5	10.34499	34
20	9.61494	28	9.65535	33	40	9.95960	6	10.34465	33
21	9.61522	28	9.65568	34	39	9.95954	6	10.34432	34
22	9.61550	28	9.65602	34	38	9.95948	6	10.34398	34
23	9.61578	28	9.65636	33	37	9.95942	5	10.34364	33
24	9.61606	28	9.65669	34	36	9.95937	6	10.34331	34
25	9.61634	28	9.65703	33	35	9.95931	6	10.34297	33
26	9.61662	27	9.65736	34	34	9.95925	6	10.34264	34
27	9.61689	28	9.65770	33	33	9.95919	5	10.34230	33
28	9.61717	28	9.65803	34	32	9.95914	6	10.34197	34
29	9.61745	28	9.65837	33	31	9.95908	6	10.34163	33
30	9.61773		9.65870		30	9.95902		10.34130	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

## Gradus 24.

M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.61773	27	9.65870	34
31	9.61800	28	9.65904	33
32	9.61828	28	9.65937	34
33	9.61856	27	9.65971	33
34	9.61883	28	9.66004	34
35	9.61911	28	9.66038	33
36	9.61939	27	9.66071	33
37	9.61966	28	9.66104	34
38	9.61994	27	9.66138	33
39	9.62021	28	9.66171	33
40	9.62049	27	9.66204	34
41	9.62076	28	9.66238	33
42	9.62104	27	9.66271	33
43	9.62131	28	9.66304	33
44	9.62159	27	9.66337	34
45	9.62186	28	9.66371	33
46	9.62214	27	9.66404	33
47	9.62241	27	9.66437	33
48	9.62268	28	9.66470	33
49	9.62296	27	9.66503	34
50	9.62323	27	9.66537	33
51	9.62350	27	9.66570	33
52	9.62377	28	9.66603	33
53	9.62405	27	9.66636	33
54	9.62432	27	9.66669	33
55	9.62459	27	9.66702	33
56	9.62486	27	9.66735	33
57	9.62513	28	9.66768	33
58	9.62541	27	9.66801	33
59	9.62568	27	9.66834	33
60	9.62595		9.66867	33

## Gradus 65.

M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.95902		10.34130	
29	9.95897	5	10.34096	34
28	9.95891	6	10.34063	33
27	9.95885	6	10.34029	34
26	9.95879	6	10.33996	33
25	9.95873	6	10.33962	34
24	9.95868	5	10.33929	33
23	9.95862	6	10.33896	33
22	9.95856	6	10.33862	34
21	9.95850	6	10.33829	33
20	9.95844	6	10.33796	33
19	9.95839	5	10.33762	34
18	9.95833	6	10.33729	33
17	9.95827	6	10.33696	33
16	9.95821	6	10.33663	33
15	9.95815	6	10.33629	34
14	9.95810	5	10.33596	33
13	9.95804	6	10.33563	33
12	9.95798	6	10.33530	33
11	9.95792	6	10.33497	33
10	9.95786	6	10.33463	34
9	9.95780	6	10.33430	33
8	9.95775	5	10.33397	33
7	9.95769	6	10.33364	33
6	9.95763	6	10.33331	33
5	9.95757	6	10.33298	33
4	9.95751	6	10.33265	33
3	9.95745	6	10.33232	33
2	9.95739	6	10.33199	33
1	9.95733	5	10.33166	33
0	9.95728		10.33133	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 25.					Gradus 64.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.62595		9.60867		60	9.95728		10.33133	
1	9.62622	27	9.60900	33	59	9.95722	6	10.33100	33
2	9.62649	27	9.60933	33	58	9.95716	6	10.33067	33
3	9.62676	27	9.60966	33	57	9.95710	6	10.33034	33
4	9.62703	27	9.60999	33	56	9.95704	6	10.33001	33
5	9.62730	27	9.61032	33	55	9.95698	6	10.32968	33
6	9.62757	27	9.61065	33	54	9.95692	6	10.32935	33
7	9.62784	27	9.61098	33	53	9.95686	6	10.32902	33
8	9.62811	27	9.61131	32	52	9.95680	6	10.32869	32
9	9.62838	27	9.61163	33	51	9.95674	6	10.32837	33
10	9.62865	27	9.61196	33	50	9.95668	6	10.32804	33
11	9.62892	26	9.61229	33	49	9.95663	5	10.32771	33
12	9.62918	27	9.61262	33	48	9.95657	6	10.32738	33
13	9.62945	27	9.61295	32	47	9.95651	6	10.32705	32
14	9.62972	27	9.61327	33	46	9.95645	6	10.32673	33
15	9.62999	27	9.61360	33	45	9.95639	6	10.32640	33
16	9.63026	26	9.61393	33	44	9.95633	6	10.32607	33
17	9.63052	27	9.61426	32	43	9.95627	6	10.32574	32
18	9.63079	27	9.61458	33	42	9.95621	6	10.32542	33
19	9.63106	27	9.61491	33	41	9.95615	6	10.32509	33
20	9.63133	26	9.61524	32	40	9.95609	6	10.32476	32
21	9.63159	27	9.61556	33	39	9.95603	6	10.32444	33
22	9.63186	27	9.61589	33	38	9.95597	6	10.32411	33
23	9.63213	26	9.61622	32	37	9.95591	6	10.32378	32
24	9.63239	27	9.61654	33	36	9.95585	6	10.32346	33
25	9.63266	26	9.61687	32	35	9.95579	6	10.32313	32
26	9.63292	27	9.61719	33	34	9.95573	6	10.32281	33
27	9.63319	26	9.61752	33	33	9.95567	6	10.32248	33
28	9.63345	27	9.61785	32	32	9.95561	6	10.32215	32
29	9.63372	26	9.61817	33	31	9.95555	6	10.32183	33
30	9.63398		9.61850		30	9.95549		10.32150	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 25.					Gradus 64.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.63398	27	9.67850	32	30	9.95549	6	10.32150	32
31	9.63425	26	9.67882	33	29	9.95543	6	10.32118	33
32	9.63451	27	9.67915	32	28	9.95537	6	10.32085	32
33	9.63478	26	9.67947	33	27	9.95531	6	10.32053	33
34	9.63504	27	9.67980	32	26	9.95525	6	10.32020	32
35	9.63531	26	9.68012	32	25	9.95519	6	10.31988	32
36	9.63557	26	9.68044	33	24	9.95513	6	10.31956	33
37	9.63583	27	9.68077	32	23	9.95507	7	10.31923	32
38	9.63610	26	9.68109	33	22	9.95500	6	10.31891	33
39	9.63636	26	9.68142	32	21	9.95494	6	10.31858	32
40	9.63662	27	9.68174	32	20	9.95488	6	10.31826	32
41	9.63689	26	9.68206	33	19	9.95482	6	10.31794	33
42	9.63715	26	9.68239	32	18	9.95476	6	10.31761	32
43	9.63741	26	9.68271	32	17	9.95470	6	10.31729	32
44	9.63767	27	9.68303	33	16	9.95464	6	10.31697	33
45	9.63794	26	9.68336	32	15	9.95458	6	10.31664	32
46	9.63820	26	9.68368	32	14	9.95452	6	10.31632	32
47	9.63846	26	9.68400	32	13	9.95446	6	10.31600	32
48	9.63872	26	9.68432	33	12	9.95440	6	10.31568	33
49	9.63898	26	9.68465	32	11	9.95434	7	10.31535	32
50	9.63924	26	9.68497	32	10	9.95427	6	10.31503	32
51	9.63950	26	9.68529	32	9	9.95421	6	10.31471	32
52	9.63976	26	9.68561	32	8	9.95415	6	10.31439	32
53	9.64002	26	9.68593	33	7	9.95409	6	10.31407	33
54	9.64028	26	9.68626	32	6	9.95403	6	10.31374	32
55	9.64054	26	9.68658	32	5	9.95397	6	10.31342	32
56	9.64080	26	9.68690	32	4	9.95391	7	10.31310	32
57	9.64106	26	9.68722	32	3	9.95384	6	10.31278	32
58	9.64132	26	9.68754	32	2	9.95378	6	10.31246	32
59	9.64158	26	9.68786	32	1	9.95372	6	10.31214	32
60	9.64184		9.68818		0	9.95366		10.31182	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 26.					Gradus 63.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
C	9.64184	26	9.65818	32	60	9.05366	6	10.31182	32
1	9.04210	26	9.68850	32	59	9.95360	6	10.31150	32
2	9.64236	26	9.68882	32	58	9.95354	6	10.31118	32
3	9.64262	26	9.68914	32	57	9.95348	7	10.31086	32
4	9.64288	25	9.68946	32	56	9.95341	6	10.31054	32
5	9.64313	26	9.68978	32	55	9.95335	6	10.31022	32
6	9.64339	26	9.69010	32	54	9.95329	6	10.30990	32
7	9.64365	26	9.69042	32	53	9.95323	6	10.30958	32
8	9.64391	26	9.69074	32	52	9.95317	7	10.30926	32
9	9.64417	25	9.69106	32	51	9.95310	6	10.30894	32
10	9.64442	26	9.69138	32	50	9.95304	6	10.30862	32
11	9.64468	26	9.69170	32	49	9.95298	6	10.30830	32
12	9.64494	25	9.69202	32	48	9.95292	6	10.30798	32
13	9.64519	26	9.69234	32	47	9.95286	7	10.30766	32
14	9.64545	26	9.69266	32	46	9.95279	6	10.30734	32
15	9.64571	25	9.69298	31	45	9.95273	6	10.30702	31
16	9.64596	26	9.69329	32	44	9.95267	6	10.30671	32
17	9.64622	25	9.69361	32	43	9.95261	7	10.30639	32
18	9.64647	26	9.69393	32	42	9.95254	6	10.30607	32
19	9.64673	25	9.69425	32	41	9.95248	6	10.30575	32
20	9.64698	26	9.69457	31	40	9.95242	6	10.30543	32
21	9.64724	25	9.69488	32	39	9.95236	7	10.30512	31
22	9.64749	26	9.69520	32	38	9.95229	6	10.30480	32
23	9.64775	25	9.69552	32	37	9.95223	6	10.30448	32
24	9.64800	26	9.69584	31	36	9.95217	6	10.30416	32
25	9.64826	25	9.69615	32	35	9.95211	7	10.30385	31
26	9.64851	26	9.69647	32	34	9.95204	6	10.30353	32
27	9.64877	25	9.69679	31	33	9.95198	6	10.30321	32
28	9.64902	25	9.69710	32	32	9.95192	7	10.30290	31
29	9.64927	26	9.69742	32	31	9.95185	6	10.30258	32
30	9.64953		9.69774		30	9.95179	6	10.30226	32



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 26.				Gradus 63.			
M.	Logarit.	Diff.	Meſolog.	M.	Logarit.	Diff.	Meſolog.
30	9.64053	25	9.69774	31	9.95179	6	10.30226
31	9.64978	25	9.69805	32	9.95173	6	10.30195
32	9.65003	26	9.69837	33	9.95167	7	10.30163
33	9.65029	25	9.69868	34	9.95160	6	10.30132
34	9.65054	25	9.69900	35	9.95154	6	10.30100
35	9.65079	25	9.69932	36	9.95148	7	10.30068
36	9.65104	26	9.69963	37	9.95141	6	10.30037
37	9.65130	25	9.69995	38	9.95135	6	10.30005
38	9.65155	25	9.70026	39	9.95129	7	10.29974
39	9.65180	25	9.70058	40	9.95122	6	10.29942
40	9.65205	25	9.70089	41	9.95116	6	10.29911
41	9.65230	25	9.70121	42	9.95110	7	10.29879
42	9.65255	26	9.70152	43	9.95103	6	10.29848
43	9.65281	25	9.70184	44	9.95097	7	10.29816
44	9.65306	25	9.70215	45	9.95090	6	10.29785
45	9.65331	25	9.70247	46	9.95084	6	10.29753
46	9.65356	25	9.70278	47	9.95078	7	10.29722
47	9.65381	25	9.70309	48	9.95071	6	10.29691
48	9.65406	25	9.70341	49	9.95065	6	10.29659
49	9.65431	25	9.70372	50	9.95059	7	10.29628
50	9.65456	25	9.70404	51	9.95052	6	10.29596
51	9.65481	25	9.70435	52	9.95046	7	10.29565
52	9.65506	25	9.70466	53	9.95039	6	10.29534
53	9.65531	25	9.70498	54	9.95033	6	10.29502
54	9.65556	24	9.70529	55	9.95027	7	10.29471
55	9.65580	25	9.70560	56	9.95020	6	10.29440
56	9.65605	25	9.70592	57	9.95014	7	10.29408
57	9.65630	25	9.70623	58	9.95007	6	10.29377
58	9.65655	25	9.70654	59	9.95001	6	10.29346
59	9.65680	25	9.70685	60	9.94995	7	10.29315
60	9.65705	25	9.70717		9.94988		10.29283

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 27.					Gradus 62.				
M.	Logarit.	Diff.	Meſolog.	Diff.	M	Logarit.	Diff.	Meſolog.	Diff.
0	9.65705		9.70717		60	9.94988		10.29283	
1	9.65729	24	9.70748	31	59	9.94982	6	10.29252	31
2	9.65754	25	9.70779	31	58	9.94975	7	10.29221	31
3	9.65779	25	9.70810	31	57	9.94969	7	10.29190	31
4	9.65804	24	9.70841	32	56	9.94962	6	10.29159	32
5	9.65828	25	9.70873	31	55	9.94956	7	10.29127	31
6	9.65853	25	9.70904	31	5	9.94949	6	10.29096	31
7	9.65878	24	9.70935	31	53	9.94943	7	10.29065	31
8	9.65902	25	9.70966	31	52	9.94936	6	10.29034	31
9	9.65927	25	9.70997	31	51	9.94930	7	10.29003	31
10	9.65952	24	9.71028	31	50	9.94923	6	10.28972	31
11	9.65976	25	9.71059	31	49	9.94917	6	10.28941	31
12	9.66001	24	9.71090	31	48	9.94911	7	10.28910	31
13	9.66025	25	9.71121	32	47	9.94904	6	10.28879	32
14	9.66050	25	9.71153	31	46	9.94898	7	10.28847	31
15	9.66075	24	9.71184	31	45	9.94891	6	10.28816	31
16	9.66099	25	9.71215	31	44	9.94885	7	10.28785	31
17	9.66124	24	9.71246	31	43	9.94878	7	10.28754	31
18	9.66148	25	9.71277	31	42	9.94871	6	10.28723	31
19	9.66173	24	9.71308	31	41	9.94865	7	10.28692	31
20	9.66197	24	9.71339	31	40	9.94858	6	10.28661	31
21	9.66221	25	9.71370	31	39	9.94852	7	10.28630	31
22	9.66246	24	9.71401	30	38	9.94845	6	10.28599	30
23	9.66270	25	9.71431	31	37	9.94839	7	10.28569	31
24	9.66295	24	9.71462	31	36	9.94832	6	10.28538	31
25	9.66319	24	9.71493	31	35	9.94826	7	10.28507	31
26	9.66343	25	9.71524	31	34	9.94819	6	10.28476	31
27	9.66368	24	9.71555	31	33	9.94813	7	10.28445	31
28	9.66392	24	9.71586	31	32	9.94806	7	10.28414	31
29	9.66416	25	9.71617	31	31	9.94799	6	10.28383	31
30	9.66441		9.71648	31	30	9.94793		10.28352	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 27.					Gradus 62.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.66441	24	9.71648	31	30	9.94793	7	10.28352	31
31	9.66465	24	9.71679	30	29	9.94786	6	10.28321	30
32	9.66489	24	9.71709	31	28	9.94780	7	10.28291	31
33	9.66513	24	9.71740	31	27	9.94773	6	10.28260	31
34	9.66537	25	9.71771	31	26	9.94767	7	10.28229	31
35	9.66562	24	9.71802	31	25	9.94760	7	10.28198	31
36	9.66586	24	9.71833	30	24	9.94753	6	10.28167	30
37	9.66610	24	9.71863	31	23	9.94747	7	10.28137	31
38	9.66634	24	9.71894	31	22	9.94740	6	10.28106	31
39	9.66658	24	9.71925	30	21	9.94734	7	10.28075	30
40	9.66682	24	9.71955	31	20	9.94727	7	10.28045	31
41	9.66706	25	9.71986	31	19	9.94720	6	10.28014	31
42	9.66731	24	9.72017	31	18	9.94714	7	10.27983	31
43	9.66755	24	9.72048	30	17	9.94707	7	10.27952	30
44	9.66779	24	9.72078	31	16	9.94700	6	10.27922	31
45	9.66803	24	9.72109	31	15	9.94694	7	10.27891	31
46	9.66827	24	9.72140	30	14	9.94687	7	10.27860	30
47	9.66851	24	9.72170	31	13	9.94680	6	10.27830	31
48	9.66875	24	9.72201	30	12	9.94674	7	10.27799	30
49	9.66899	23	9.72231	31	11	9.94667	7	10.27769	31
50	9.66922	24	9.72262	31	10	9.94660	6	10.27738	31
51	9.66946	24	9.72293	30	9	9.94654	7	10.27707	30
52	9.66970	24	9.72323	31	8	9.94647	7	10.27677	31
53	9.66994	24	9.72354	30	7	9.94640	6	10.27646	30
54	9.67018	24	9.72384	31	6	9.94634	7	10.27616	31
55	9.67042	24	9.72415	30	5	9.94627	7	10.27585	30
56	9.67066	24	9.72445	31	4	9.94620	6	10.27555	31
57	9.67090	23	9.72476	30	3	9.94614	7	10.27524	30
58	9.67113	24	9.72506	31	2	9.94607	7	10.27494	31
59	9.67137	24	9.72537	30	1	9.94600	7	10.27463	31
60	9.67161		9.72567		0	9.94593	7	10.27433	30

## Tabula XXIII.

Logarithmorum sinuum; &amp; tangentium;

Gradus 28.					Gradus 61.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.67161		9.72567		60	9.93593		10.27433	
1	9.67185	24	9.72598	31	59	9.94587	6	10.27402	31
2	9.67208	23	9.72628	30	58	9.94580	7	10.27372	30
3	9.67232	24	9.72659	31	57	9.94573	7	10.27341	31
4	9.67256	24	9.72689	30	56	9.94567	6	10.27311	30
5	9.67280	24	9.72720	31	55	9.94560	7	10.27280	31
6	9.67303	23	9.72750	30	54	9.94553	7	10.27250	30
7	9.67327	24	9.72780	30	53	9.94546	6	10.27220	30
8	9.67350	23	9.72811	31	52	9.94540	6	10.27189	31
9	9.67374	24	9.72841	30	51	9.94533	7	10.27159	30
10	9.67398	24	9.72872	31	50	9.94526	7	10.27128	31
		23		30			7		30
11	9.67421	24	9.72902	30	49	9.94519	6	10.27098	30
12	9.67445	23	9.72932	31	48	9.94513	6	10.27068	30
13	9.67468	24	9.72963	30	47	9.94506	7	10.27037	31
14	9.67492	24	9.72993	30	46	9.94499	7	10.27007	30
15	9.67515	23	9.73023	30	45	9.94492	7	10.26977	30
16	9.67539	24	9.73054	31	44	9.94485	7	10.26946	31
17	9.67562	23	9.73084	30	43	9.94479	6	10.26916	30
18	9.67586	24	9.73114	30	42	9.94472	7	10.26886	30
19	9.67609	23	9.73144	30	41	9.94465	7	10.26856	30
20	9.67633	24	9.73175	31	40	9.94458	7	10.26825	31
		23		30			7		30
21	9.67656	24	9.73205	30	39	9.94451	6	10.26795	30
22	9.67680	23	9.73235	30	38	9.94445	6	10.26765	30
23	9.67703	24	9.73265	30	37	9.94438	7	10.26735	30
24	9.67726	23	9.73295	30	36	9.94431	7	10.26705	30
25	9.67750	24	9.73326	31	35	9.94424	7	10.26674	31
		23		30			7		30
26	9.67773	24	9.73356	30	34	9.94417	7	10.26644	30
27	9.67796	23	9.73386	30	33	9.94410	6	10.26614	30
28	9.67820	24	9.73416	30	32	9.94404	6	10.26584	30
29	9.67843	23	9.73446	30	31	9.94397	7	10.26554	30
30	9.67866	23	9.73476	30	30	9.94390	7	10.26524	30

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium

Gradus 28.					Gradus 61.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
30	9.67866	24	9.73476	31	30	9.94390	7	10.26524	31
31	9.67890	23	9.73507	30	29	9.94383	7	10.26493	30
32	9.67913	23	9.73537	30	28	9.94376	7	10.26463	30
33	9.67936	23	9.73567	30	27	9.94369	7	10.26433	30
34	9.67959	23	9.73597	30	26	9.94362	7	10.26403	30
35	9.67982	24	9.73627	30	25	9.94355	6	10.26373	30
36	9.68006	23	9.73657	30	24	9.94349	7	10.26343	30
37	9.68029	23	9.73687	30	23	9.94342	7	10.26313	30
38	9.68052	23	9.73717	30	22	9.94335	7	10.26283	30
39	9.68075	23	9.73747	30	21	9.94328	7	10.26253	30
40	9.68098	23	9.73777	30	20	9.94321	7	10.26223	30
41	9.68121	23	9.73807	30	19	9.94314	7	10.26193	30
42	9.68144	23	9.73837	30	18	9.94307	7	10.26163	30
43	9.68167	23	9.73867	30	17	9.94300	7	10.26133	30
44	9.68190	23	9.73897	30	16	9.94293	7	10.26103	30
45	9.68213	24	9.73927	30	15	9.94286	7	10.26073	30
46	9.68237	23	9.73957	30	14	9.94279	6	10.26043	30
47	9.68260	23	9.73987	30	13	9.94273	7	10.26013	30
48	9.68283	22	9.74017	30	12	9.94266	7	10.25983	30
49	9.68305	23	9.74047	30	11	9.94259	7	10.25953	30
50	9.68328	23	9.74077	30	10	9.94252	7	10.25923	30
51	9.68351	23	9.74107	30	9	9.94245	7	10.25893	30
52	9.68374	23	9.74137	29	8	9.94238	7	10.25863	29
53	9.68397	23	9.74166	30	7	9.94231	7	10.25834	30
54	9.68420	23	9.74196	30	6	9.94224	7	10.25804	30
55	9.68443	23	9.74226	30	5	9.94217	7	10.25774	30
56	9.68466	23	9.74256	30	4	9.94210	7	10.25744	30
57	9.68489	23	9.74286	30	3	9.94203	7	10.25714	30
58	9.68512	22	9.74316	29	2	9.94196	7	10.25684	29
59	9.68534	23	9.74345	30	1	9.94189	7	10.25655	30
60	9.68557		9.74375		0	9.94182		10.25625	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 29.					Gradus 60.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.68557	23	9.74375	30	60	9.94182	7	10.25625	30
1	9.68580	23	9.74405	30	59	9.94175	7	10.25595	30
2	9.68603	22	9.74435	30	58	9.94168	7	10.25565	30
3	9.68625	23	9.74465	29	57	9.94161	7	10.25535	29
4	9.68648	23	9.74494	30	56	9.94154	7	10.25506	30
5	9.68671	23	9.74524	30	55	9.94147	7	10.25476	30
6	9.68694	22	9.74554	29	54	9.94140	7	10.25446	29
7	9.68716	23	9.74583	30	53	9.94133	7	10.25417	30
8	9.68739	23	9.74613	30	52	9.94126	7	10.25387	30
9	9.68762	22	9.74643	30	51	9.94119	7	10.25357	30
10	9.68784	23	9.74673	29	50	9.94112	7	10.25327	29
11	9.68807	22	9.74702	30	49	9.94105	7	10.25298	30
12	9.68829	23	9.74732	30	48	9.94098	8	10.25268	30
13	9.68852	23	9.74762	29	47	9.94090	7	10.25238	29
14	9.68875	22	9.74791	30	46	9.94083	7	10.25209	30
15	9.68897	23	9.74821	30	45	9.94076	7	10.25179	30
16	9.68920	22	9.74851	29	44	9.94069	7	10.25149	29
17	9.68942	23	9.74880	30	43	9.94062	7	10.25120	30
18	9.68965	22	9.74910	29	42	9.94055	7	10.25090	29
19	9.68987	23	9.74939	30	41	9.94048	7	10.25061	30
20	9.69010	22	9.74969	29	40	9.94041	7	10.25031	29
21	9.69032	23	9.74998	30	39	9.94034	7	10.25002	30
22	9.69055	22	9.75028	30	38	9.94027	7	10.24972	30
23	9.69077	23	9.75058	29	37	9.94020	8	10.24942	29
24	9.69100	22	9.75087	30	36	9.94012	7	10.24913	30
25	9.69122	22	9.75117	29	35	9.94005	7	10.24883	29
26	9.69144	23	9.75146	30	34	9.93998	7	10.24854	30
27	9.69167	22	9.75176	29	33	9.93991	7	10.24824	29
28	9.69189	23	9.75205	30	32	9.93984	7	10.24795	30
29	9.69212	22	9.75235	29	31	9.93977	7	10.24765	29
30	9.69234		9.75264		30	9.93970		10.24736	

## Tabula. XXIII.

Logarithmorum sinuum, &amp; tangentium.

## Gradus 29.

M.	Logarit.	Diff.	Metolog.	Diff.
30	9.69234	22	9.75264	30
31	9.69256	23	9.75294	29
32	9.69279	22	9.75323	30
33	9.69301	22	9.75353	29
34	9.69323	22	9.75382	29
35	9.69345	23	9.75411	30
36	9.69368	22	9.75441	29
37	9.69390	22	9.75470	30
38	9.69412	22	9.75500	29
39	9.69434	22	9.75529	29
40	9.69456	23	9.75558	30
41	9.69479	22	9.75588	29
42	9.69501	22	9.75617	30
43	9.69523	22	9.75647	29
44	9.69545	22	9.75676	29
45	9.69567	22	9.75705	30
46	9.69589	22	9.75735	29
47	9.69611	22	9.75764	29
48	9.69633	22	9.75793	29
49	9.69655	22	9.75822	30
50	9.69677	22	9.75852	29
51	9.69699	22	9.75881	29
52	9.69721	22	9.75910	29
53	9.69743	22	9.75939	30
54	9.69765	22	9.75969	29
55	9.69787	22	9.75998	29
56	9.69809	22	9.76027	29
57	9.69831	22	9.76056	30
58	9.69853	22	9.76086	29
59	9.69875	22	9.76115	29
60	9.69897		9.76144	

## Gradus 60.

M.	Logarit.	Diff.	Metolog.	Diff.
30	9.93970		10.24736	
29	9.93963	7	10.24706	30
28	9.93955	8	10.24677	29
27	9.93948	7	10.24647	30
26	9.93941	7	10.24618	29
25	9.93934	7	10.24589	29
24	9.93927	7	10.24559	30
23	9.93920	8	10.24530	29
22	9.93912	7	10.24500	30
21	9.93905	7	10.24471	29
20	9.93898	7	10.24442	29
19	9.93891	7	10.24412	30
18	9.93884	8	10.24383	29
17	9.93876	7	10.24353	30
16	9.93869	7	10.24324	29
15	9.93862	7	10.24295	29
14	9.93855	7	10.24265	30
13	9.93847	8	10.24236	29
12	9.93840	7	10.24207	29
11	9.93833	7	10.24178	29
10	9.93826	7	10.24148	30
9	9.93819	7	10.24119	29
8	9.93811	8	10.24090	29
7	9.93804	7	10.24061	29
6	9.93797	7	10.24031	30
5	9.93789	8	10.24002	29
4	9.93782	7	10.23973	29
3	9.93775	7	10.23944	29
2	9.93768	8	10.23914	30
1	9.93760	7	10.23885	29
0	9.93753		10.23856	29

## Tabula XXIII

Logarithmorum finium; &amp; tangentium.

Gradus 30.					Gradus 59.				
M	Logarit.	Diff.	Meſolog.	Diff.	M	Logarit.	Diff.	Meſolog.	Diff.
0	9.6907	22	9.76144	29	60	9.93753	7	10.23856	29
1	9.69919	22	9.76173	29	59	9.93746	8	10.23827	29
2	9.69941	22	9.76202	29	58	9.93738	7	10.23798	29
3	9.69963	21	9.76231	30	57	9.93731	7	10.23769	30
4	9.69984	22	9.76261	29	56	9.93724	7	10.23739	29
5	9.70006	22	9.76290	29	55	9.93717	8	10.23710	29
6	9.70028	22	9.76319	29	54	9.93709	7	10.23681	29
7	9.70050	22	9.76348	29	53	9.93702	7	10.23652	29
8	9.70072	21	9.76377	29	52	9.93695	8	10.23623	29
9	9.70093	22	9.76406	29	51	9.93687	7	10.23594	29
10	9.70115	22	9.76435	29	50	9.93680	7	10.23565	29
11	9.70137	22	9.76464	29	49	9.93673	8	10.23536	29
12	9.70159	21	9.76493	29	48	9.93665	7	10.23507	29
13	9.70180	22	9.76522	29	47	9.93658	8	10.23478	29
14	9.70202	22	9.76551	29	46	9.93650	7	10.23449	29
15	9.70224	21	9.76580	29	45	9.93643	7	10.23420	29
16	9.70245	22	9.76609	30	44	9.93636	8	10.23391	30
17	9.70267	21	9.76639	29	43	9.93628	7	10.23361	29
18	9.70288	22	9.76668	29	42	9.93621	7	10.23332	29
19	9.70310	22	9.76697	28	41	9.93614	8	10.23303	28
20	9.70332	21	9.76725	29	40	9.93606	7	10.23275	29
21	9.70353	22	9.76754	29	39	9.93599	8	10.23246	29
22	9.70375	21	9.76783	29	38	9.93591	7	10.23217	29
23	9.70396	22	9.76812	29	37	9.93584	7	10.23188	29
24	9.70418	21	9.76841	29	36	9.93577	8	10.23159	29
25	9.70439	22	9.76870	29	35	9.93569	7	10.23130	29
26	9.70461	21	9.76899	29	34	9.93562	8	10.23101	29
27	9.70482	22	9.76928	29	33	9.93554	7	10.23072	29
28	9.70504	21	9.76957	29	32	9.93547	8	10.23043	29
29	9.70525	22	9.76986	29	31	9.93539	7	10.23014	29
30	9.70547		9.77015		30	9.93532		10.22985	



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 30.					Gradus 59.				
M.	Logarit.	Diff.	Mefoly.	Diff.	M.	Logarit.	Diff.	Mefoly.	Diff.
30	9.70547	21	9.77015	29	30	9.93532		10.22985	29
31	9.70568	22	9.77044	29	29	9.93525	7	10.22956	29
32	9.70590	21	9.77073	28	28	9.93517	8	10.22927	28
33	9.70611	22	9.77101	29	27	9.93510	7	10.22899	29
34	9.70633	21	9.77130	29	26	9.93502	8	10.22870	29
35	9.70654	21	9.77159	29	25	9.93495	7	10.22841	29
36	9.70675	22	9.77188	29	24	9.93487	8	10.22812	29
37	9.70697	21	9.77217	29	23	9.93480	7	10.22783	29
38	9.70718	21	9.77246	28	22	9.93472	8	10.22754	28
39	9.70739	22	9.77274	29	21	9.93465	7	10.22726	29
40	9.70761	21	9.77303	29	20	9.93457	8	10.22697	29
41	9.70782	21	9.77332	29	19	9.93450	7	10.22668	29
42	9.70803	21	9.77361	29	18	9.93442	8	10.22639	29
43	9.70824	22	9.77390	28	17	9.93435	7	10.22610	28
44	9.70846	21	9.77418	29	16	9.93427	8	10.22582	29
45	9.70867	21	9.77447	29	15	9.93420	7	10.22553	29
46	9.70888	21	9.77476	29	14	9.93412	8	10.22524	29
47	9.70909	22	9.77505	28	13	9.93405	7	10.22495	28
48	9.70931	21	9.77533	29	12	9.93397	8	10.22467	29
49	9.70952	21	9.77562	29	11	9.93390	7	10.22438	29
50	9.70973	21	9.77591	28	10	9.93382	8	10.22409	28
51	9.70994	21	9.77619	29	9	9.93375	7	10.22381	29
52	9.71015	21	9.77648	29	8	9.93367	8	10.22352	29
53	9.71036	22	9.77677	29	7	9.93360	7	10.22323	29
54	9.71058	21	9.77706	28	6	9.93352	8	10.22294	28
55	9.71079	21	9.77734	29	5	9.93344	8	10.22266	29
56	9.71100	21	9.77763	28	4	9.93337	7	10.22237	28
57	9.71121	21	9.77791	29	3	9.93329	8	10.22209	29
58	9.71142	21	9.77820	29	2	9.93322	7	10.22180	29
59	9.71163	21	9.77849	28	1	9.93314	8	10.22151	28
60	9.71184		9.77877		0	9.93307	7	10.22123	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 31.					Gradus 58.				
M.	Logarit.	Diff.	Metolog.	Diff.	M	Logarit.	Diff.	Metolog.	Diff.
0	9.71184	21	9.77877	29	60	9.93307	8	10.22123	29
1	9.71205	21	9.77906	29	59	9.93299	8	10.22094	29
2	9.71226	21	9.77935	28	58	9.93291	7	10.22065	28
3	9.71247	21	9.77963	29	57	9.93284	8	10.22037	29
4	9.71268	21	9.77992	28	56	9.93276	7	10.22008	28
5	9.71289	21	9.78020	29	55	9.93269	8	10.21980	29
6	9.71310	21	9.78049	28	54	9.93261	8	10.21951	28
7	9.71331	21	9.78077	29	53	9.93253	7	10.21923	29
8	9.71352	21	9.78106	29	52	9.93246	8	10.21894	29
9	9.71373	20	9.78135	28	51	9.93238	8	10.21865	28
10	9.71393	21	9.78163	29	50	9.93230	7	10.21837	29
11	9.71414	21	9.78192	28	49	9.93223	8	10.21808	28
12	9.71435	21	9.78220	29	48	9.93215	8	10.21780	29
13	9.71456	21	9.78249	28	47	9.93207	7	10.21751	28
14	9.71477	21	9.78277	29	46	9.93200	8	10.21723	29
15	9.71498	21	9.78306	28	45	9.93192	8	10.21694	28
16	9.71519	20	9.78334	29	44	9.93184	7	10.21666	29
17	9.71539	21	9.78363	28	43	9.93177	8	10.21637	28
18	9.71560	21	9.78391	28	42	9.93169	8	10.21609	28
19	9.71581	21	9.78419	29	41	9.93161	7	10.21581	29
20	9.71602	20	9.78448	28	40	9.93154	8	10.21552	28
21	9.71622	21	9.78476	29	39	9.93146	8	10.21524	29
22	9.71643	21	9.78505	28	38	9.93138	7	10.21495	28
23	9.71664	21	9.78533	29	37	9.93131	8	10.21467	29
24	9.71685	20	9.78562	28	36	9.93123	8	10.21438	28
25	9.71705	21	9.78590	28	35	9.93115	7	10.21410	28
26	9.71726	21	9.78618	29	34	9.93108	8	10.21382	29
27	9.71747	20	9.78647	28	33	9.93100	8	10.21353	28
28	9.71767	21	9.78675	29	32	9.93092	8	10.21325	29
29	9.71788	21	9.78704	28	31	9.93084	7	10.21296	28
30	9.71809		9.78732		30	9.93077		10.21268	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 31.					Gradus 58.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.71809	20	9.78732	28	30	9.93077	8	10.21268	28
31	9.71829	21	9.78760	29	29	9.93069	8	10.21240	29
32	9.71850	20	9.78789	28	28	9.93061	8	10.21211	28
33	9.71870	21	9.78817	28	27	9.93053	7	10.21183	28
34	9.71891	20	9.78845	29	26	9.93046	8	10.21155	29
35	9.71911	21	9.78874	28	25	9.93038	8	10.21126	28
36	9.71932	20	9.78902	28	24	9.93030	8	10.21098	28
37	9.71952	21	9.78930	29	23	9.93022	8	10.21070	29
38	9.71973	21	9.78959	28	22	9.93014	7	10.21041	28
39	9.71994	20	9.78987	28	21	9.93007	8	10.21013	28
40	9.72014	20	9.79015	28	20	9.92999	8	10.20985	28
41	9.72034	21	9.79043	29	19	9.92991	8	10.20957	29
42	9.72055	20	9.79072	28	18	9.92983	7	10.20928	28
43	9.72075	21	9.79100	28	17	9.92976	8	10.20900	28
44	9.72096	20	9.79128	28	16	9.92968	8	10.20872	28
45	9.72116	21	9.79156	29	15	9.92960	8	10.20844	29
46	9.72137	20	9.79185	28	14	9.92952	8	10.20815	28
47	9.72157	20	9.79213	28	13	9.92944	8	10.20787	28
48	9.72177	21	9.79241	28	12	9.92936	7	10.20759	28
49	9.72198	20	9.79269	28	11	9.92929	8	10.20731	28
50	9.72218	20	9.79297	29	10	9.92921	8	10.20703	29
51	9.72238	21	9.79326	28	9	9.92913	8	10.20674	28
52	9.72259	20	9.79354	28	8	9.92905	8	10.20646	28
53	9.72279	20	9.79382	28	7	9.92897	8	10.20618	28
54	9.72299	21	9.79410	28	6	9.92889	8	10.20590	28
55	9.72320	20	9.79438	28	5	9.92881	7	10.20562	28
56	9.72340	20	9.79466	29	4	9.92874	8	10.20534	29
57	9.72360	21	9.79495	28	3	9.92866	8	10.20505	28
58	9.72381	20	9.79523	28	2	9.92858	8	10.20477	28
59	9.72401	20	9.79551	28	1	9.92850	8	10.20449	28
60	9.72421		9.79579		0	9.92842		10.20421	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 32.				Gradus 57.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.72421	20	9.79570	28	60	9.92842	8	10.20421	28
1	9.72441	20	9.79607	28	59	9.92834	8	10.20393	28
2	9.72461	21	9.79635	28	58	9.92826	8	10.20365	28
3	9.72482	20	9.79663	28	57	9.92818	8	10.20337	28
4	9.72502	20	9.79691	28	56	9.92810	8	10.20309	28
5	9.72522	20	9.79719	28	55	9.92803	8	10.20281	28
6	9.72542	20	9.79747	29	54	9.92795	8	10.20253	29
7	9.72562	20	9.79776	28	53	9.92787	8	10.20224	28
8	9.72582	20	9.79804	28	52	9.92779	8	10.20196	28
9	9.72602	20	9.79832	28	51	9.92771	8	10.20168	28
10	9.72622	20	9.79860	28	50	9.92763	8	10.20140	28
11	9.72643	21	9.79888	28	49	9.92755	8	10.20112	28
12	9.72663	20	9.79916	28	48	9.92747	8	10.20084	28
13	9.72683	20	9.79944	28	47	9.92739	8	10.20056	28
14	9.72703	20	9.79972	28	46	9.92731	8	10.20028	28
15	9.72723	20	9.80000	28	45	9.92723	8	10.20000	28
16	9.72743	20	9.80028	28	44	9.92715	8	10.19972	28
17	9.72763	20	9.80056	28	43	9.92707	8	10.19944	28
18	9.72783	20	9.80084	28	42	9.92699	8	10.19916	28
19	9.72803	20	9.80112	28	41	9.92691	8	10.19888	28
20	9.72823	20	9.80140	28	40	9.92683	8	10.19860	28
21	9.72843	20	9.80168	27	39	9.92675	8	10.19834	27
22	9.72863	20	9.80195	28	38	9.92667	8	10.19805	28
23	9.72883	19	9.80223	28	37	9.92659	8	10.19777	28
24	9.72902	20	9.80251	28	36	9.92651	8	10.19749	28
25	9.72922	20	9.80279	28	35	9.92643	8	10.19721	28
26	9.72942	20	9.80307	28	34	9.92635	8	10.19693	28
27	9.72962	20	9.80335	28	33	9.92627	8	10.19665	28
28	9.72982	20	9.80363	28	32	9.92619	8	10.19637	28
29	9.73002	20	9.80391	28	31	9.92611	8	10.19609	28
30	9.73022		9.80419		30	9.92603		10.19581	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 31.					Gradus 57.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
30	9.73032	19	9.80419	28	30	9.92603	8	10.19581	28
31	9.73041	21	9.80447	27	29	9.92595	8	10.19553	27
32	9.73061	20	9.80474	28	28	9.92587	8	10.19526	28
33	9.73081	20	9.80502	28	27	9.92579	8	10.19498	28
34	9.73101	20	9.80530	28	26	9.92571	8	10.19470	28
35	9.73121	19	9.80558	28	25	9.92563	8	10.19442	28
36	9.73140	20	9.80586	28	24	9.92555	9	10.19414	28
37	9.73160	20	9.80614	28	23	9.92546	8	10.19386	28
38	9.73180	20	9.80642	27	22	9.92538	8	10.19358	27
39	9.73200	19	9.80669	28	21	9.92530	8	10.19331	28
40	9.73219	20	9.80697	28	20	9.92522	8	10.19303	28
41	9.73239	20	9.80725	28	19	9.92514	8	10.19275	28
42	9.73259	19	9.80753	28	18	9.92506	8	10.19247	28
43	9.73278	20	9.80781	27	17	9.92498	8	10.19219	27
44	9.73298	20	9.80808	28	16	9.92490	8	10.19192	28
45	9.73318	19	9.80836	28	15	9.92482	9	10.19164	28
46	9.73337	20	9.80864	28	14	9.92473	8	10.19136	28
47	9.73357	20	9.80892	27	13	9.92465	8	10.19108	27
48	9.73377	19	9.80919	28	12	9.92457	8	10.19081	28
49	9.73396	20	9.80947	28	11	9.92449	8	10.19053	28
50	9.73416	19	9.80975	28	10	9.92441	8	10.19025	28
51	9.73435	20	9.81003	27	9	9.92433	8	10.18997	27
52	9.73455	19	9.81030	28	8	9.92425	9	10.18970	28
53	9.73474	20	9.81058	28	7	9.92416	8	10.18942	28
54	9.73494	19	9.81086	27	6	9.92408	8	10.18914	27
55	9.73513	20	9.81113	28	5	9.92400	8	10.18887	28
56	9.73533	19	9.81141	28	4	9.92392	8	10.18859	28
57	9.73552	20	9.81169	27	3	9.92384	8	10.18831	27
58	9.73572	19	9.81196	28	2	9.92376	9	10.18804	28
59	9.73591	20	9.81224	28	1	9.92367	8	10.18776	28
60	9.73611		9.81252		0	9.92359		10.18748	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 33.					Gradus 56.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	0.73611	19	9.81252	27	60	9.92359	8	10.18748	27
1	9.73630	20	9.81279	28	59	9.92351	8	10.18721	28
2	9.73650	19	9.81307	28	58	9.92343	8	10.18693	28
3	9.73669	20	9.81335	27	57	9.92335	9	10.18665	27
4	9.73689	19	9.81362	28	56	9.92326	8	10.18638	28
5	9.73708	19	9.81390	28	55	9.92318	8	10.18610	28
6	9.73727	20	9.81418	27	54	9.92310	8	10.18582	27
7	9.73747	19	9.81445	28	53	9.92302	9	10.18555	28
8	9.73766	19	9.81473	27	52	9.92293	8	10.18527	27
9	9.73785	20	9.81500	28	51	9.92285	8	10.18500	28
10	0.73805	19	9.81528	28	50	9.92277	8	10.18472	28
11	9.73824	19	9.81556	27	49	9.92269	9	10.18444	27
12	9.73843	20	9.81583	28	48	9.92260	8	10.18417	28
13	9.73863	19	9.81611	27	47	9.92252	8	10.18389	27
14	9.73882	19	9.81638	28	46	9.92244	9	10.18362	28
15	0.73901	20	9.81666	27	45	9.92235	8	10.18334	27
16	9.73921	19	9.81693	28	44	9.92227	8	10.18307	28
17	9.73940	19	9.81721	27	43	9.92219	8	10.18279	27
18	9.73959	19	9.81748	28	42	9.92211	9	10.18252	28
19	9.73978	19	9.81776	27	41	9.92202	8	10.18224	27
20	0.73997	20	9.81803	28	40	9.92194	8	10.18197	28
21	9.74017	19	9.81831	27	39	9.92186	9	10.18169	27
22	9.74036	19	9.81858	28	38	9.92177	8	10.18142	28
23	9.74055	19	9.81886	27	37	9.92169	8	10.18114	27
24	9.74074	19	9.81913	28	36	9.92161	9	10.18087	28
25	9.74093	20	9.81941	27	35	9.92152	8	10.18059	27
26	9.74113	19	9.81968	28	34	9.92144	8	10.18032	28
27	9.74132	19	9.81996	27	33	9.92136	9	10.18004	27
28	9.74151	19	9.82023	28	32	9.92127	8	10.17977	28
29	9.74170	19	9.82051	27	31	9.92119	8	10.17949	27
30	9.74189		9.82078		30	9.92111		10.17922	

Ta-

## Tabula XXIII.

Logarithmorum, finuum, &amp; tangentium.

Gradus 33.				Gradus 56.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.74189		9.82078		30	9.92111		10.17922	
31	9.74208	19	9.82106	28	29	9.92102	9	10.17894	28
32	9.74227	19	9.82133	27	28	9.92094	8	10.17867	27
33	9.74246	19	9.82161	28	27	9.92086	8	10.17839	28
34	9.74265	19	9.82188	27	26	9.92077	9	10.17812	37
35	9.74284	19	9.82215	28	25	9.92069	8	10.17785	27
36	9.74303	19	9.82243	27	24	9.92060	8	10.17757	28
37	9.74322	19	9.82270	28	23	9.92052	8	10.17730	27
38	9.74341	19	9.82298	27	22	9.92044	9	10.17702	28
39	9.74360	19	9.82325	27	21	9.92035	8	10.17675	27
40	9.74379	19	9.82352	28	20	9.92027	9	10.17648	27
41	9.74398	19	9.82380	27	19	9.92018	8	10.17620	28
42	9.74417	19	9.82407	28	18	9.92010	8	10.17593	27
43	9.74436	19	9.82435	27	17	9.92002	9	10.17565	28
44	9.74455	19	9.82462	27	16	9.91993	8	10.17538	27
45	9.74474	19	9.82489	28	15	9.91985	9	10.17511	27
46	9.74493	19	9.82517	27	14	9.91976	8	10.17483	28
47	9.74512	19	9.82544	27	13	9.91968	9	10.17456	27
48	9.74531	18	9.82571	28	12	9.91959	8	10.17429	27
49	9.74549	19	9.82599	27	11	9.91951	9	10.17401	28
50	9.74568	19	9.82626	27	10	9.91942	8	10.17374	27
51	9.74587	19	9.82653	28	9	9.91934	9	10.17347	27
52	9.74606	19	9.82681	27	8	9.91925	8	10.17319	28
53	9.74625	19	9.82708	27	7	9.91917	9	10.17292	27
54	9.74644	18	9.82735	27	6	9.91908	8	10.17265	27
55	9.74662	19	9.82762	28	5	9.91900	9	10.17238	27
56	9.74681	19	9.82790	27	4	9.91891	8	10.17210	28
57	9.74700	19	9.82817	27	3	9.91883	9	10.17183	27
58	9.74719	19	9.82844	27	2	9.91874	8	10.17156	27
59	9.74737	19	9.82871	28	1	9.91866	9	10.17129	27
60	9.74756		9.82899		0	9.91857	9	10.17101	28

## Tabula XXIII.

Logarithmorum, sinuum, &amp; tangentium:

Gradus 34.					Gradus 55.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.74736	19.	9.82899	27	60	9.91857	8	10.17101	27
1	9.74775	19.	9.82926	27	59	9.91849	9	10.17074	27
2	9.74794	18.	9.82953	27	58	9.91840	8	10.17047	27
3	9.74812	19.	9.82980	28	57	9.91832	9	10.17020	28.
4	9.74831	19.	9.83008	27	56	9.91823	8	10.16992	27
5	9.74850	18.	9.83035	27	55	9.91815	9	10.16965	27
6	9.74868	19.	9.83062	27	54	9.91806	8	10.16938	27
7	9.74887	19.	9.83089	28	53	9.91798	9	10.16911	28
8	9.74906	18.	9.83117	27	52	9.91789	8	10.16883	27
9	9.74924	19.	9.83144	27	51	9.91781	9	10.16856	27
10	9.74943	18.	9.83171	27	50	9.91772	9	10.16829	27
11	9.74961	19.	9.83198	27	49	9.91763	8	10.16802	27
12	9.74980	19.	9.83225	27	48	9.91755	9	10.16775	27
13	9.74999	18.	9.83252	28	47	9.91746	8	10.16748	28
14	9.75017	19.	9.83280	27	46	9.91738	9	10.16720	27
15	9.75036	18.	9.83307	27	45	9.91729	9	10.16693	27
16	9.75054	19.	9.83334	27	44	9.91720	8	10.16666	27
17	9.75073	18.	9.83361	27	43	9.91712	9	10.16639	27
18	9.75091	19.	9.83388	27	42	9.91703	8	10.16612	27
19	9.75110	18.	9.83415	27	41	9.91695	9	10.16585	27
20	9.75128	19.	9.83442	28	40	9.91686	9	10.16558	28
21	9.75147	18.	9.83470	27	39	9.91677	8	10.16530	27
22	9.75165	19.	9.83497	27	38	9.91669	9	10.16503	27
23	9.75184	18.	9.83524	27	37	9.91660	9	10.16476	27
24	9.75202	19.	9.83551	27	36	9.91651	8	10.16449	27
25	9.75221	18.	9.83578	27	35	9.91643	9	10.16422	27
26	9.75239	19.	9.83605	27	34	9.91634	9	10.16395	27
27	9.75258	18.	9.83632	27	33	9.91625	8	10.16368	27
28	9.75276	18.	9.83659	27	32	9.91617	9	10.16341	27
29	9.75294	19.	9.83686	27	31	9.91608	9	10.16314	27
30	9.75313		9.83713		30	9.91599		10.16287	



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 34.					Gradus 55.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.75313	18	9.83713	27	30	9.91599	8	10.16287	27
31	9.75331	19	9.83740	28	29	9.91591	9	10.16260	28
32	9.75350	18	9.83768	27	28	9.91582	9	10.16232	27
33	9.75368	18	9.83795	27	27	9.91573	8	10.16205	27
34	9.75386	19	9.83822	27	26	9.91565	9	10.16178	27
35	9.75405	18	9.83849	27	25	9.91556	9	10.16151	27
36	9.75423	18	9.83876	27	24	9.91547	9	10.16124	27
37	9.75441	18	9.83903	27	23	9.91538	8	10.16097	27
38	9.75459	19	9.83930	27	22	9.91530	9	10.16070	27
39	9.75478	18	9.83957	27	21	9.91521	9	10.16043	27
40	9.75496	18	9.83984	27	20	9.91512	8	10.16016	27
41	9.75514	19	9.84011	27	19	9.91504	9	10.15989	27
42	9.75533	18	9.84038	27	18	9.91495	9	10.15962	27
43	9.75551	18	9.84065	27	17	9.91486	9	10.15935	27
44	9.75569	18	9.84092	27	16	9.91477	8	10.15908	27
45	9.75587	18	9.84119	27	15	9.91469	9	10.15881	27
46	9.75605	19	9.84146	27	14	9.91460	9	10.15854	27
47	9.75624	18	9.84173	27	13	9.91451	9	10.15827	27
48	9.75642	18	9.84200	27	12	9.91442	9	10.15800	27
49	9.75660	18	9.84227	27	11	9.91433	8	10.15773	27
50	9.75678	18	9.84254	26	10	9.91425	9	10.15746	26
51	9.75696	18	9.84280	27	9	9.91416	9	10.15720	27
52	9.75714	19	9.84307	27	8	9.91407	9	10.15693	27
53	9.75733	18	9.84334	27	7	9.91398	9	10.15666	27
54	9.75751	18	9.84361	27	6	9.91389	8	10.15639	27
55	9.75769	18	9.84388	27	5	9.91381	9	10.15612	27
56	9.75787	18	9.84415	27	4	9.91372	9	10.15585	27
57	9.75805	18	9.84442	27	3	9.91363	9	10.15558	27
58	9.75823	18	9.84469	27	2	9.91354	9	10.15531	27
59	9.75841	18	9.84496	27	1	9.91345	9	10.15504	27
60	9.75859	1	9.84523		0	9.91336		10.15477	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 35.					Gradus 54.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.75859	18	9.84523	27	60	9.91336	8	10.15477	27
1	9.75877	18	9.84550	26	59	9.91328	9	10.15450	26
2	9.75895	18	9.84576	27	58	9.91319	9	10.15424	27
3	9.75913	18	9.84603	27	57	9.91310	9	10.15397	27
4	9.75931	18	9.84630	27	56	9.91301	9	10.15370	27
5	9.75949	18	9.84657	27	55	9.91292	9	10.15343	27
6	9.75967	18	9.84684	27	54	9.91283	9	10.15316	27
7	9.75985	18	9.84711	27	53	9.91274	8	10.15289	27
8	9.76003	18	9.84738	26	52	9.91266	9	10.15262	26
9	9.76021	18	9.84764	27	51	9.91257	9	10.15236	27
10	9.76039	18	9.84791	27	50	9.91248	9	10.15209	27
11	9.76057	18	9.84818	27	49	9.91239	9	10.15182	27
12	9.76075	18	9.84845	27	48	9.91230	9	10.15155	27
13	9.76093	18	9.84872	27	47	9.91221	9	10.15128	27
14	9.76111	18	9.84899	26	46	9.91212	9	10.15101	26
15	9.76129	17	9.84925	27	45	9.91203	9	10.15075	27
16	9.76146	18	9.84952	27	44	9.91194	9	10.15048	27
17	9.76164	18	9.84979	27	43	9.91185	9	10.15021	27
18	9.76182	18	9.85006	27	42	9.91176	9	10.14994	27
19	9.76200	18	9.85033	26	41	9.91167	9	10.14967	26
20	9.76218	18	9.85059	27	40	9.91158	9	10.14941	27
21	9.76236	17	9.85086	27	39	9.91149	8	10.14914	27
22	9.76253	18	9.85113	27	38	9.91141	9	10.14887	27
23	9.76271	18	9.85140	26	37	9.91132	9	10.14860	26
24	9.76289	18	9.85166	27	36	9.91123	9	10.14834	27
25	9.76307	17	9.85193	27	35	9.91114	9	10.14807	27
26	9.76324	18	9.85220	27	34	9.91105	9	10.14780	27
27	9.76342	18	9.85247	26	33	9.91096	9	10.14753	26
28	9.76360	18	9.85273	27	32	9.91087	9	10.14727	27
29	9.76378	17	9.85300	27	31	9.91078	9	10.14700	27
30	9.76395		9.85327	27	30	9.91069	9	10.14673	27

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 35.				Gradus 54.					
M.	Logarit.	Diff.	Merolog.	Diff.	M.	Logarit.	Diff.	Merolog.	Diff.
30	9.76395	18	9.85327	27	30	9.91069		10.14673	27
31	9.76413	18	9.85354	26	29	9.91060	9	10.14646	26
32	9.76431	17	9.85380	27	28	9.91051	9	10.14620	27
33	9.76448	18	9.85407	27	27	9.91042	9	10.14593	27
34	9.76466	18	9.85434	26	26	9.91033	10	10.14566	26
35	9.76484	17	9.85460	27	25	9.91023	9	10.14540	27
36	9.76501	18	9.85487	27	24	9.91014	9	10.14513	27
37	9.76519	18	9.85514	26	23	9.91005	9	10.14486	26
38	9.76537	17	9.85540	27	22	9.90996	9	10.14460	27
39	9.76554	18	9.85567	27	21	9.90987	9	10.14433	27
40	9.76572	18	9.85594	26	20	9.90978	9	10.14406	26
41	9.76590	17	9.85620	27	19	9.90969	9	10.14380	27
42	9.76607	18	9.85647	27	18	9.90960	9	10.14353	27
43	9.76625	17	9.85674	26	17	9.90951	9	10.14326	26
44	9.76642	18	9.85700	27	16	9.90942	9	10.14300	27
45	9.76660	17	9.85727	27	15	9.90933	9	10.14273	27
46	9.76677	18	9.85754	26	14	9.90924	9	10.14246	26
47	9.76695	17	9.85780	27	13	9.90915	9	10.14220	27
48	9.76712	18	9.85807	27	12	9.90906	10	10.14193	27
49	9.76730	17	9.85834	26	11	9.90896	9	10.14166	26
50	9.76747	18	9.85860	27	10	9.90887	9	10.14140	27
51	9.76765	17	9.85887	26	9	9.90878	9	10.14113	26
52	9.76782	18	9.85913	27	8	9.90869	9	10.14087	27
53	9.76800	17	9.85940	27	7	9.90860	9	10.14060	27
54	9.76817	18	9.85967	26	6	9.90851	9	10.14033	26
55	9.76835	17	9.85993	27	5	9.90842	10	10.14007	27
56	9.76852	18	9.86020	26	4	9.90832	9	10.13980	26
57	9.76870	17	9.86046	27	3	9.90823	9	10.13954	27
58	9.76887	17	9.86073	27	2	9.90814	9	10.13927	27
59	9.76904	18	9.86100	26	1	9.90805	9	10.13900	26
60	9.76922		9.86126		0	9.90796		10.13874	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 36.					Gradus 53.				
M.	Logarit.	Diff.	Mesolog.	Diff.	M.	Logarit.	Diff.	Mesolog.	Diff.
0	9.76922		9.86126		60	9.90796		10.13874	
1	9.76939	17	9.86153	27	59	9.90787	9	10.13847	26
2	9.76957	17	9.86179	27	58	9.90777	10	10.13821	27
3	9.76974	17	9.86206	26	57	9.90768	9	10.13794	26
4	9.76991	17	9.86232	27	56	9.90759	9	10.13768	27
5	9.77009	18	9.86259	26	55	9.90750	9	10.13741	26
6	9.77026	17	9.86285	27	54	9.90741	9	10.13715	27
7	9.77043	17	9.86312	26	53	9.90731	10	10.13688	26
8	9.77061	18	9.86338	27	52	9.90722	9	10.13662	27
9	9.77078	17	9.86365	27	51	9.90713	9	10.13635	27
10	9.77095	17	9.86392	26	50	9.90704	9	10.13608	26
11	9.77112	17	9.86418	27	49	9.90694	10	10.13582	27
12	9.77130	18	9.86445	26	48	9.90685	9	10.13555	26
13	9.77147	17	9.86471	27	47	9.90676	9	10.13529	27
14	9.77164	17	9.86498	26	46	9.90667	9	10.13502	26
15	9.77181	17	9.86524	27	45	9.90657	10	10.13476	27
16	9.77199	18	9.86551	26	44	9.90648	9	10.13449	26
17	9.77216	17	9.86577	27	43	9.90639	9	10.13423	26
18	9.77233	17	9.86603	26	42	9.90630	9	10.13397	27
19	9.77250	17	9.86630	26	41	9.90620	10	10.13370	26
20	9.77268	18	9.86656	27	40	9.90611	9	10.13344	27
21	9.77285	17	9.86683	26	39	9.90602	9	10.13317	26
22	9.77302	17	9.86709	27	38	9.90592	10	10.13291	27
23	9.77319	17	9.86736	26	37	9.90583	9	10.13264	26
24	9.77336	17	9.86762	27	36	9.90574	9	10.13238	27
25	9.77353	17	9.86789	26	35	9.90565	9	10.13211	26
26	9.77370	17	9.86815	27	34	9.90555	10	10.13185	27
27	9.77387	18	9.86842	26	33	9.90546	9	10.13158	26
28	9.77405	17	9.86868	27	32	9.90537	9	10.13132	26
29	9.77422	17	9.86894	26	31	9.90527	10	10.13106	27
30	9.77439	17	9.86921	27	30	9.90518	9	10.13079	26

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium

Gradus 36.					Gradus 53.				
M.	Logarit.	Diff.	Meſolog.	Diff.	M.	Logarit.	Diff.	Meſolog.	Diff.
30	9.77439	17	9.86921	26	30	9.90518	9	10.13079	26
31	9.77456	17	9.86947	27	29	9.90509	10	10.13053	27
32	9.77473	17	9.86974	26	28	9.90499	9	10.13026	26
33	9.77490	17	9.87000	27	27	9.90490	10	10.13000	27
34	9.77507	17	9.87027	26	26	9.90480	9	10.12973	26
35	9.77524	17	9.87053	26	25	9.90471	9	10.12947	26
36	9.77541	17	9.87079	27	24	9.90462	10	10.12921	27
37	9.77558	17	9.87106	26	23	9.90452	9	10.12894	26
38	9.77575	17	9.87132	26	22	9.90443	9	10.12868	26
39	9.77592	17	9.87158	27	21	9.90434	9	10.12842	27
40	9.77609	17	9.87185	26	20	9.90424	10	10.12815	26
41	9.77626	17	9.87211	27	19	9.90415	10	10.12789	27
42	9.77643	17	9.87238	26	18	9.90405	9	10.12762	26
43	9.77660	17	9.87264	26	17	9.90396	10	10.12736	26
44	9.77677	17	9.87290	27	16	9.90386	9	10.12710	27
45	9.77694	17	9.87317	26	15	9.90377	9	10.12683	26
46	9.77711	17	9.87343	26	14	9.90368	10	10.12657	26
47	9.77728	16	9.87369	27	13	9.90358	9	10.12631	27
48	9.77744	17	9.87396	26	12	9.90349	10	10.12604	26
49	9.77761	17	9.87422	26	11	9.90339	9	10.12578	26
50	9.77778	17	9.87448	27	10	9.90330	10	10.12552	27
51	9.77795	17	9.87475	26	9	9.90320	9	10.12525	26
52	9.77812	17	9.87501	26	8	9.90311	10	10.12499	26
53	9.77829	17	9.87527	27	7	9.90301	9	10.12473	27
54	9.77846	16	9.87554	26	6	9.90292	10	10.12446	26
55	9.77862	17	9.87580	26	5	9.90282	9	10.12420	26
56	9.77879	17	9.87606	27	4	9.90273	10	10.12394	27
57	9.77896	17	9.87633	26	3	9.90263	9	10.12367	26
58	9.77913	17	9.87659	26	2	9.90254	10	10.12341	26
59	9.77930	16	9.87685	26	1	9.90244	9	10.12315	26
60	9.77946		9.87711		0	9.90235		10.12289	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium:

Gradus 37.				Gradus 52.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.77946		9.87711		60	9.90235		10.12289	
1	9.77963	17	9.87738	27	59	9.90225	10	10.12262	27
2	9.77980	77	9.87764	26	58	9.90216	9	10.12236	26
3	9.77997	17	9.87790	26	57	9.90206	10	10.12210	26
4	9.78013	16	9.87817	27	56	9.90197	9	10.12183	27
5	9.78030	17	9.87843	26	55	9.90187	10	10.12157	26
6	9.78047	17	9.87869	26	54	9.90178	9	10.12131	26
7	9.78063	16	9.87895	10	53	9.90168	9	10.12105	26
8	9.78080	17	9.87922	27	52	9.90159	9	10.12078	27
9	9.78097	17	9.87948	26	51	9.90149	10	10.12052	26
10	9.78113	16	9.87974	10	50	9.90139	10	10.12026	26
11	9.78130	17	9.88000	9	49	9.90130	9	10.12000	26
12	9.78147	17	9.88027	10	48	9.90120	10	10.11973	27
13	9.78163	16	9.88053	9	47	9.90111	9	10.11947	26
14	9.78180	17	9.88079	10	46	9.90101	10	10.11921	26
15	9.78197	17	9.88105	10	45	9.90091	10	10.11895	26
16	9.78213	16	9.88131	9	44	9.90082	9	10.11869	26
17	9.78230	17	9.88158	10	43	9.90072	10	10.11842	27
18	9.78246	16	9.88184	9	42	9.90063	9	10.11816	26
19	9.78263	17	9.88210	10	41	9.90053	10	10.11790	26
20	9.78280	17	9.88236	10	40	9.90043	10	10.11764	26
21	9.78296	16	9.88262	9	39	9.90034	9	10.11738	26
22	9.78313	17	9.88289	10	38	9.90024	10	10.11711	27
23	9.78329	16	9.88315	9	37	9.90014	10	10.11685	26
24	9.78346	17	9.88341	9	36	9.90005	9	10.11659	26
25	9.78362	16	9.88367	10	35	9.89995	10	10.11633	26
26	9.78379	17	9.88393	10	34	9.89985	10	10.11607	26
27	9.78395	16	9.88420	9	33	9.89976	9	10.11580	27
28	9.78412	17	9.88446	10	32	9.89966	10	10.11554	26
29	9.78428	16	9.88472	10	31	9.89956	10	10.11528	26
30	9.78445	17	9.88498	9	30	9.89947	9	10.11502	26

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 37.					Gradus 52.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
30	9.78445	16	9.88498	26	30	9.89047	10	10.11502	26
31	9.78461	17	9.88524	26	29	9.89937	10	10.11476	26
32	9.78478	16	9.88550	27	28	9.89927	9	10.11450	27
33	9.78494	16	9.88577	26	27	9.89918	10	10.11423	26
34	9.78510	17	9.88603	26	26	9.89908	10	10.11397	26
35	9.78527	16	9.88629	26	25	9.89898	10	10.11371	26
36	9.78543	17	9.88655	26	24	9.89888	9	10.11345	26
37	9.78560	16	9.88681	26	23	9.89879	10	10.11319	26
38	9.78576	16	9.88707	26	22	9.89869	10	10.11293	26
39	9.78592	17	9.88733	26	21	9.89859	10	10.11267	26
40	9.78609	16	9.88759	27	20	9.89849	9	10.11241	27
41	9.78625	17	9.88786	26	19	9.89840	10	10.11214	26
42	9.78642	16	9.88812	26	18	9.89830	10	10.11187	26
43	9.78658	16	9.88838	26	17	9.89820	10	10.11162	26
44	9.78674	17	9.88864	26	16	9.89810	9	10.11136	26
45	9.78691	16	9.88890	26	15	9.89801	10	10.11110	26
46	9.78707	16	9.88916	26	14	9.89791	10	10.11084	26
47	9.78723	16	9.88942	26	13	9.89781	10	10.11058	26
48	9.78739	17	9.88968	26	12	9.89771	10	10.11032	26
49	9.78756	16	9.88994	26	11	9.89761	9	10.11006	26
50	9.78772	16	9.89020	26	10	9.89752	10	10.10980	26
51	9.78788	17	9.89046	27	9	9.89742	10	10.10954	27
52	9.78805	16	9.89073	26	8	9.89732	10	10.10927	26
53	9.78821	16	9.89099	26	7	9.89722	10	10.10901	26
54	9.78837	16	9.89125	26	6	9.89712	10	10.10875	26
55	9.78853	16	9.89151	26	5	9.89702	9	10.10849	26
56	9.78869	17	9.89177	26	4	9.89693	10	10.10823	26
57	9.78886	16	9.89203	26	3	9.89683	10	10.10797	26
58	9.78902	16	9.89229	26	2	9.89673	10	10.10771	26
59	9.78918	16	9.89255	26	1	9.89663	10	10.10745	26
60	9.78934		9.89281		0	9.89653		10.10719	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 38.				Gradus 51.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.78934	16	9.89281	26	60	9.89653	10	10.10719	26
1	9.78950	17	9.89307	26	59	9.89643	10	10.10693	26
2	9.78967	16	9.89333	26	58	9.89633	9	10.10667	26
3	9.78983	16	9.89359	26	57	9.89624	10	10.10641	26
4	9.78999	16	9.89385	26	56	9.89614	10	10.10615	26
5	9.79015	16	9.89411	26	55	9.89604	10	10.10589	26
6	9.79031	16	9.89437	26	54	9.89594	10	10.10563	26
7	9.79047	16	9.89463	26	53	9.89584	10	10.10537	26
8	9.79063	16	9.89489	26	52	9.89574	10	10.10511	26
9	9.79079	16	9.89515	26	51	9.89564	10	10.10485	26
10	9.79095	16	9.89541	26	50	9.89554	10	10.10459	26
11	9.79111	17	9.89567	26	49	9.89544	10	10.10433	26
12	9.79128	16	9.89593	26	48	9.89534	10	10.10407	26
13	9.79144	16	9.89619	26	47	9.89524	10	10.10381	26
14	9.79160	16	9.89645	26	46	9.89514	10	10.10355	26
15	9.79176	16	9.89671	26	45	9.89504	10	10.10329	26
16	9.79192	16	9.89697	26	44	9.89495	9	10.10303	26
17	9.79208	16	9.89723	26	43	9.89485	10	10.10277	26
18	9.79224	16	9.89749	26	42	9.89475	10	10.10251	26
19	9.79240	16	9.89775	26	41	9.89465	10	10.10225	26
20	9.79256	16	9.89801	26	40	9.89455	10	10.10199	26
21	9.79272	16	9.89827	26	39	9.89445	10	10.10173	26
22	9.79288	16	9.89853	26	38	9.89435	10	10.10147	26
23	9.79304	15	9.89879	26	37	9.89425	10	10.10121	26
24	9.79319	16	9.89905	26	36	9.89415	10	10.10095	26
25	9.79335	16	9.89931	26	35	9.89405	10	10.10069	26
26	9.79351	16	9.89957	26	34	9.89395	10	10.10043	26
27	9.79367	16	9.89983	26	33	9.89385	10	10.10017	26
28	9.79383	16	9.90009	26	32	9.89375	11	10.09991	26
29	9.79399	16	9.90035	26	31	9.89364	10	10.09965	26
30	9.79415		9.90061		30	9.89354		10.09939	



## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium

Gradus 38.				Gradus 51.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.79415	16	9.90061	25	30	9.89354	10	10.09939	25
31	9.79431	16	9.90086	26	31	9.89344	10	10.09914	26
32	9.79447	16	9.90112	26	32	9.89334	10	10.09888	26
33	9.79463	15	9.90138	26	33	9.89324	10	10.09862	26
34	9.79478	16	9.90164	26	34	9.89314	10	10.09836	26
35	9.79494	16	9.90190	26	35	9.89304	10	10.09810	26
36	9.79510	16	9.90216	26	36	9.89294	10	10.09784	26
37	9.79526	16	9.90242	26	37	9.89284	10	10.09758	26
38	9.79542	16	9.90268	26	38	9.89274	10	10.09732	26
39	9.79558	15	9.90294	26	39	9.89264	10	10.09706	26
40	9.79573	16	9.90320	26	40	9.89254	10	10.09680	26
41	9.79589	16	9.90346	25	41	9.89244	10	10.09654	25
42	9.79605	16	9.90371	26	42	9.89233	10	10.09629	26
43	9.79621	15	9.90397	26	43	9.89223	10	10.09603	26
44	9.79636	16	9.90423	26	44	9.89213	10	10.09577	26
45	9.79652	16	9.90449	26	45	9.89203	10	10.09551	26
46	9.79668	16	9.90475	26	46	9.89193	10	10.09525	26
47	9.79684	15	9.90501	26	47	9.89183	10	10.09499	26
48	9.79699	16	9.90527	26	48	9.89173	10	10.09473	26
49	9.79715	16	9.90553	25	49	9.89162	10	10.09447	25
50	9.79731	15	9.90578	26	50	9.89152	10	10.09422	26
51	9.79746	16	9.90604	26	51	9.89142	10	10.09396	26
52	9.79762	16	9.90630	26	52	9.89132	10	10.09370	26
53	9.79778	15	9.90656	26	53	9.89122	10	10.09344	26
54	9.79793	16	9.90682	26	54	9.89112	10	10.09318	26
55	9.79809	16	9.90708	26	55	9.89101	10	10.09292	26
56	9.79825	15	9.90734	25	56	9.89091	10	10.09266	25
57	9.79840	16	9.90759	26	57	9.89081	10	10.09241	26
58	9.79856	16	9.90785	26	58	9.89071	10	10.09215	26
59	9.79872	15	9.90811	26	59	9.89060	10	10.09189	26
60	9.79887		9.90837		60	9.89050		10.09163	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 39.					Gradus 50.				
M.	Logarit.	Diff.	Metolog.	Diff.	M	Logarit.	Diff.	Metolog.	Diff.
0	9.79887	16	9.90837	26	60	9.89050	10	10.09163	26
1	9.79903	15	9.90863	26	59	9.89040	10	10.09137	26
2	9.79918	16	9.90889	25	58	9.89030	10	10.09111	25
3	9.79934	16	9.90914	26	57	9.89020	11	10.09086	26
4	9.79950	15	9.90940	26	56	9.89009	10	10.09060	26
5	9.79965	16	9.90966	26	55	9.88999	10	10.09034	26
6	9.79981	15	9.90992	26	54	9.88989	11	10.09008	26
7	9.79996	16	9.91018	25	53	9.88978	10	10.08982	25
8	9.80012	15	9.91043	26	52	9.88968	10	10.08957	26
9	9.80027	16	9.91069	26	51	9.88958	10	10.08931	26
10	9.80043	15	9.91095	26	50	9.88948	11	10.08905	26
11	9.80058	16	9.91121	26	49	9.88937	10	10.08879	26
12	9.80074	15	9.91147	25	48	9.88927	10	10.08853	25
13	9.80089	16	9.91172	26	47	9.88917	11	10.08828	26
14	9.80105	15	9.91198	26	46	9.88906	10	10.08802	26
15	9.80120	16	9.91224	26	45	9.88896	10	10.08776	26
16	9.80136	15	9.91250	26	44	9.88886	11	10.08750	26
17	9.80151	15	9.91276	25	43	9.88875	10	10.08724	25
18	9.80166	16	9.91301	26	42	9.88865	10	10.08699	26
19	9.80182	15	9.91327	26	41	9.88855	11	10.08673	26
20	9.80197	16	9.91353	26	40	9.88844	10	10.08647	26
21	9.80213	15	9.91379	25	39	9.88834	10	10.08621	25
22	9.80228	16	9.91404	26	38	9.88824	11	10.08596	26
23	9.80244	15	9.91430	26	37	9.88813	10	10.08570	26
24	9.80259	15	9.91456	26	36	9.88803	10	10.08544	26
25	9.80274	16	9.91482	25	35	9.88793	11	10.08518	25
26	9.80290	15	9.91507	26	34	9.88782	10	10.08493	26
27	9.80305	15	9.91533	26	33	9.88772	11	10.08467	26
28	9.80320	16	9.91559	26	32	9.88761	10	10.08441	26
29	9.80336	15	9.91585	25	31	9.88751	10	10.08415	25
30	9.80351		9.91610		30	9.88741		10.08390	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 39.					Gradus 50.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
30	9.80351		9.91610		30	9.88741		10.08390	
31	9.80366	15	9.91636	26	29	9.88730	11	10.08364	26
32	9.80382	16	9.91662	26	28	9.88720	10	10.08338	26
33	9.80397	15	9.91688	25	27	9.88709	11	10.08312	25
34	9.80412	15	9.91713	26	26	9.88699	11	10.08287	26
35	9.80428	16	9.91739	26	25	9.88688	10	10.08261	26
36	9.80443	15	9.91765	26	24	9.88678	10	10.08235	26
37	9.80458	15	9.91791	25	23	9.88668	11	10.08209	25
38	9.80473	16	9.91816	26	22	9.88657	10	10.08184	26
39	9.80489	15	9.91842	26	21	9.88647	11	10.08158	26
40	9.80504	15	9.91868	25	20	9.88636	10	10.08132	25
41	9.80519	15	9.91893	26	19	9.88626	11	10.08107	26
42	9.80534	16	9.91919	26	18	9.88615	10	10.08081	26
43	9.80550	15	9.91945	26	17	9.88605	11	10.08055	26
44	9.80565	15	9.91971	25	16	9.88594	10	10.08029	25
45	9.80580	15	9.91996	26	15	9.88584	11	10.08004	26
46	9.80595	15	9.92022	26	14	9.88573	10	10.07978	26
47	9.80610	15	9.92048	25	13	9.88563	11	10.07952	25
48	9.80625	16	9.92073	26	12	9.88552	10	10.07927	26
49	9.80641	15	9.92099	26	11	9.88542	11	10.07901	26
50	9.80656	15	9.92125	25	10	9.88531	10	10.07875	25
51	9.80671	15	9.92150	26	9	9.88521	11	10.07850	26
52	9.80686	15	9.92176	26	8	9.88510	11	10.07824	26
53	9.80701	15	9.92202	25	7	9.88499	10	10.07798	25
54	9.80716	15	9.92227	26	6	9.88489	11	10.07773	26
55	9.80731	15	9.92253	26	5	9.88478	10	10.07747	26
56	9.80746	16	9.92279	25	4	9.88468	11	10.07721	25
57	9.80762	15	9.92304	26	3	9.88457	10	10.07696	26
58	9.80777	15	9.92330	26	2	9.88447	11	10.07670	26
59	9.80792	15	9.92356	25	1	9.88436	11	10.07644	25
60	9.80807	15	9.92381	25	0	9.88425	11	10.07619	25

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 40.					Gradus 49.				
M.	Logarit.	Diff.	Metolog.	Diff.	M.	Logarit.	Diff.	Metolog.	Diff.
0	9.80807	15	9.92381	26	60	9.88425	10	10.07619	26
1	9.80822	15	9.92407	26	59	9.88415	11	10.07593	26
2	9.80837	15	9.92433	25	58	9.88404	10	10.07567	25
3	9.80852	15	9.92458	26	57	9.88394	11	10.07542	26
4	9.80867	15	9.92484	26	56	9.88383	11	10.07516	26
5	9.80882	15	9.92510	25	55	9.88372	10	10.07490	25
6	9.80897	15	9.92535	26	54	9.88362	11	10.07465	26
7	9.80912	15	9.92561	26	53	9.88351	11	10.07439	26
8	9.80927	15	9.92587	25	52	9.88340	10	10.07413	25
9	9.80942	15	9.92612	26	51	9.88330	11	10.07388	26
10	9.80957	15	9.92638	25	50	9.88319	11	10.07362	25
11	9.80972	15	9.92663	26	49	9.88308	10	10.07337	26
12	9.80987	15	9.92689	26	48	9.88298	11	10.07311	26
13	9.81002	15	9.92715	25	47	9.88287	11	10.07285	25
14	9.81017	15	9.92740	26	46	9.88276	10	10.07260	26
15	9.81032	15	9.92766	26	45	9.88266	11	10.07234	26
16	9.81047	14	9.92792	25	44	9.88255	11	10.07208	25
17	9.81061	15	9.92817	26	43	9.88244	10	10.07183	26
18	9.81076	15	9.92843	25	42	9.88234	11	10.07157	25
19	9.81091	15	9.92868	26	41	9.88223	11	10.07132	26
20	9.81106	15	9.92894	26	40	9.88212	11	10.07106	26
21	9.81121	15	9.92920	25	39	9.88201	10	10.07080	25
22	9.81136	15	9.92945	26	38	9.88191	11	10.07055	26
23	9.81151	15	9.92971	25	37	9.88180	11	10.07029	25
24	9.81166	14	9.92996	26	36	9.88169	11	10.07004	26
25	9.81180	15	9.93022	26	35	9.88158	10	10.06978	26
26	9.81195	15	9.93048	25	34	9.88148	11	10.06952	25
27	9.81210	15	9.93073	26	33	9.88137	11	10.06927	26
28	9.81225	15	9.93099	25	32	9.88126	11	10.06901	25
29	9.81240	14	9.93124	26	31	9.88115	10	10.06876	26
30	9.81254		9.93150		30	9.88105		10.06850	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 40.				Gradus 49.					
M.	Logarit.	Diff.	Mesolog.	Diff.	M.	Logarit.	Diff.	Mesolog.	Diff.
30	9.81254		9.93150		30	9.88105		10.06850	
31	9.81269	15	9.93175	25	29	9.88094	11	10.06825	25
32	9.81284	15	9.93201	26	28	9.88083	11	10.06799	26
33	9.81299	15	9.93227	25	27	9.88072	11	10.06773	25
34	9.81314	14	9.93252	26	26	9.88061	10	10.06748	26
35	9.81328	15	9.93278	25	25	9.88051	11	10.06722	25
36	9.81343	15	9.93303	26	24	9.88040	11	10.06697	26
37	9.81358	14	9.93329	25	23	9.88029	11	10.06671	25
38	9.81372	15	9.93354	26	22	9.88018	11	10.06646	26
39	9.81387	15	9.93380	26	21	9.88007	11	10.06620	26
40	9.81402	15	9.93406	25	20	9.87996	11	10.06594	25
41	9.81417	14	9.93431	26	19	9.87985	10	10.06569	26
42	9.81431	15	9.93457	25	18	9.87975	11	10.06543	25
43	9.81446	15	9.93482	26	17	9.87964	11	10.06518	26
44	9.81461	14	9.93508	25	16	9.87953	11	10.06492	25
45	9.81475	15	9.93533	26	15	9.87942	11	10.06467	26
46	9.81490	15	9.93559	25	14	9.87931	11	10.06441	25
47	9.81505	14	9.93584	26	13	9.87920	11	10.06416	26
48	9.81519	15	9.93610	26	12	9.87909	11	10.06390	26
49	9.81534	15	9.93636	25	11	9.87898	11	10.06364	25
50	9.81549	14	9.93661	26	10	9.87887	10	10.06339	26
51	9.81563	15	9.93687	25	9	9.87877	11	10.06313	25
52	9.81578	14	9.93712	26	8	9.87866	11	10.06288	26
53	9.81592	15	9.93738	25	7	9.87855	11	10.06262	25
54	9.81607	15	9.93763	26	6	9.87844	11	10.06237	26
55	9.81622	14	9.93789	25	5	9.87833	11	10.06211	25
56	9.81636	15	9.93814	26	4	9.87822	11	10.06186	26
57	9.81651	14	9.93840	25	3	9.87811	11	10.06160	25
58	9.81665	15	9.93865	26	2	9.87800	11	10.06135	26
59	9.81680	14	9.93891	25	1	9.87789	11	10.06109	25
60	9.81694		9.93916		0	9.87778		10.06084	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 41.					Gradus 48.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M	Logarit.	Diff.	Mefolog.	Diff.
0	9.81694		9.03917	26	60	9.87778		10.06084	26
1	9.81709	15	9.93942	25	59	9.87767	11	10.06058	25
2	9.81723	14	9.93967	26	58	9.87756	11	10.06033	26
3	9.81738	15	9.93993	25	57	9.87745	11	10.06007	25
4	9.81752	14	9.94018	26	56	9.87734	11	10.05982	26
5	9.81767	15	9.94044	25	55	9.87723	11	10.05956	25
6	9.81781	14	9.94069	26	54	9.87712	11	10.05931	26
7	9.81796	15	9.94095	25	53	9.87701	11	10.05905	25
8	9.81810	14	9.94120	26	52	9.87690	11	10.05880	26
9	9.81825	15	9.94146	25	51	9.87679	11	10.05854	25
10	9.81839	14	9.94171	26	50	9.87668	11	10.05829	26
11	9.81854	15	9.94197	25	49	9.87657	11	10.05803	25
12	9.81868	14	9.94222	26	48	9.87646	11	10.05778	26
13	9.81882	15	9.94248	25	47	9.87635	11	10.05752	25
14	9.81897	14	9.94273	26	46	9.87624	11	10.05727	26
15	9.81911	15	9.94299	25	45	9.87613	12	10.05701	25
16	9.81926	14	9.94324	26	44	9.87601	11	10.05676	26
17	9.81940	15	9.94350	25	43	9.87590	11	10.05650	25
18	9.81955	14	9.94375	26	42	9.87579	11	10.05625	26
19	9.81969	14	9.94401	25	41	9.87568	11	10.05599	25
20	9.81983	15	9.94426	26	40	9.87557	11	10.05574	26
21	9.81998	14	9.94452	25	39	9.87546	11	10.05548	25
22	9.82012	14	9.94477	26	38	9.87535	11	10.05523	26
23	9.82026	15	9.94503	25	37	9.87524	11	10.05497	25
24	9.82041	14	9.94528	26	36	9.87513	12	10.05472	26
25	9.82055	14	9.94554	25	35	9.87501	11	10.05446	25
26	9.82069	15	9.94579	25	34	9.87490	11	10.05421	25
27	9.82084	14	9.94604	26	33	9.87479	11	10.05396	26
28	9.82098	14	9.94630	25	32	9.87468	11	10.05370	25
29	9.82112	14	9.94655	26	31	9.87457	11	10.05345	26
30	9.82126		9.94681		30	9.87446		10.05319	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

## Gradus 41.

M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.82126	15	9.94681	25
31	9.82141	14	9.94706	26
32	9.82155	14	9.94732	25
33	9.82169	15	9.94757	26
34	9.82184	14	9.94783	25
35	9.82198	14	9.94808	26
36	9.82212	14	9.94834	25
37	9.82226	14	9.94859	25
38	9.82240	15	9.94884	26
39	9.82255	14	9.94910	25
40	9.82269	14	9.94935	26
41	9.82283	14	9.94961	25
42	9.82297	14	9.94986	26
43	9.82311	15	9.95012	25
44	9.82326	14	9.95037	25
45	9.82340	14	9.95062	26
46	9.82354	14	9.95088	25
47	9.82368	14	9.95113	26
48	9.82382	14	9.95139	25
49	9.82396	14	9.95164	26
50	9.82410	14	9.95190	25
51	9.82424	15	9.95215	25
52	9.82439	14	9.95240	26
53	9.82453	14	9.95266	25
54	9.82467	14	9.95291	26
55	9.82481	14	9.95317	25
56	9.82495	14	9.95342	26
57	9.82509	14	9.95368	25
58	9.82523	14	9.95393	25
59	9.82537	14	9.95418	26
60	9.82551		9.95444	

## Gradus 48.

M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.87446	12	10.05319	25
29	9.87434	11	10.05294	26
28	9.87423	11	10.05268	25
27	9.87412	11	10.05243	26
26	9.87401	11	10.05217	25
25	9.87390	12	10.05192	26
24	9.87378	11	10.05166	25
23	9.87367	11	10.05141	25
22	9.87356	11	10.05116	26
21	9.87345	11	10.05090	25
20	9.87334	12	10.05065	26
19	9.87322	11	10.05039	25
18	9.87311	11	10.05014	26
17	9.87300	12	10.04988	25
16	9.87288	11	10.04963	25
15	9.87277	11	10.04938	26
14	9.87266	11	10.04912	25
13	9.87255	12	10.04887	26
12	9.87243	11	10.04861	25
11	9.87232	11	10.04836	26
10	9.87221	12	10.04810	25
9	9.87209	11	10.04785	25
8	9.87198	11	10.04760	26
7	9.87187	12	10.04734	25
6	9.87175	11	10.04709	26
5	9.87164	11	10.04683	25
4	9.87153	12	10.04658	26
3	9.87141	11	10.04632	25
2	9.87130	11	10.04607	25
1	9.87119	12	10.04582	26
0	9.87107		10.04556	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium

Gradus 42.				Gradus 47.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.82551	14	9.95444	25	60	9.87107	11	10.04556	25
1	9.82565	14	9.95469	26	69	9.87096	11	10.04531	26
2	9.82579	14	9.95495	25	78	9.87085	12	10.04505	25
3	9.82593	14	9.95520	25	87	9.87073	11	10.04480	25
4	9.82607	14	9.95545	26	96	9.87062	12	10.04455	26
5	9.82621	14	9.95571	25	95	9.87050	11	10.04429	25
6	9.82635	14	9.95596	26	94	9.87039	11	10.04404	26
7	9.82649	14	9.95622	25	93	9.87028	12	10.04378	25
8	9.82663	14	9.95647	25	92	9.87016	11	10.04353	25
9	9.82677	14	9.95672	26	91	9.87005	12	10.04328	26
10	9.82691	14	9.95698	25	90	9.86993	11	10.04302	25
11	9.82705	14	9.95723	25	49	9.86982	12	10.04277	25
12	9.82719	14	9.95748	26	48	9.86970	11	10.04252	26
13	9.82733	14	9.95774	25	47	9.86959	12	10.04226	25
14	9.82747	14	9.95799	26	46	9.86947	11	10.04201	26
15	9.82761	14	9.95825	25	45	9.86936	12	10.04175	25
16	9.82775	13	9.95850	25	44	9.86924	11	10.04150	25
17	9.82788	14	9.95875	26	43	9.86913	11	10.04125	26
18	9.82802	14	9.95901	25	42	9.86902	12	10.04099	25
19	9.82816	14	9.95926	26	41	9.86890	11	10.04074	26
20	9.82830	14	9.95952	25	40	9.86879	12	10.04048	25
21	9.82844	14	9.95977	25	39	9.86867	12	10.04023	25
22	9.82858	14	9.96002	26	38	9.86855	11	10.03998	26
23	9.82872	13	9.96028	25	37	9.86844	12	10.03972	25
24	9.82885	14	9.96053	25	36	9.86832	11	10.03947	25
25	9.82899	14	9.96078	26	35	9.86821	12	10.03922	26
26	9.82913	14	9.96104	25	34	9.86809	11	10.03896	25
27	9.82927	14	9.96129	26	33	9.86798	12	10.03871	26
28	9.82941	14	9.96155	25	32	9.86786	11	10.03845	25
29	9.82955	13	9.96180	25	31	9.86775	12	10.03820	25
30	9.82968		9.96205		30	9.86763		10.03795	



## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 42.				Gradus 47.			
M.	Logarit.	Diff.	Metolog.	M.	Logarit.	Diff.	Metolog.
30	9.82968		9.96205	30	9.86763		10.03795
31	9.82982	14	9.96231	29	9.86752	11	10.03769
32	9.82996	14	9.96256	28	9.86740	12	10.03744
33	9.83010	14	9.96281	27	9.86728	12	10.03719
34	9.83023	13	9.96307	26	9.86717	11	10.03693
35	9.83037	14	9.96332	25	9.86705	12	10.03668
36	9.83051	14	9.96357	24	9.86694	11	10.03643
37	9.83065	14	9.96383	23	9.86682	12	10.03617
38	9.83078	13	9.96408	22	9.86670	12	10.03592
39	9.83092	14	9.96433	21	9.86659	11	10.03567
40	9.83106	14	9.96459	20	9.86647	12	10.03541
41	9.83120	14	9.96484	19	9.86635	11	10.03516
42	9.83133	13	9.96510	18	9.86624	12	10.03490
43	9.83147	14	9.96535	17	9.86612	12	10.03465
44	9.83161	14	9.96560	16	9.86600	11	10.03440
45	9.83174	13	9.96586	15	9.86589	12	10.03414
46	9.83188	14	9.96611	14	9.86577	12	10.03389
47	9.83202	14	9.96636	13	9.86565	11	10.03364
48	9.83215	13	9.96662	12	9.86554	12	10.03338
49	9.83229	14	9.96687	11	9.86542	12	10.03313
50	9.83242	13	9.96712	10	9.86530	12	10.03288
51	9.83256	14	9.96738	9	9.86518	12	10.03262
52	9.83270	14	9.96763	8	9.86507	11	10.03237
53	9.83283	13	9.96788	7	9.86495	12	10.03212
54	9.83297	14	9.96814	6	9.86483	12	10.03186
55	9.83310	13	9.96839	5	9.86472	11	10.03161
56	9.83324	14	9.96864	4	9.86460	12	10.03136
57	9.83338	14	9.96890	3	9.86448	12	10.03110
58	9.83351	13	9.96915	2	9.86436	11	10.03085
59	9.83365	14	9.96940	1	9.86425	12	10.03060
60	9.83378	13	9.96966	0	9.86413	12	10.03034

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium:

Gradus 43.					Gradus 46.				
M.	Logarit.	Diff.	Metolog.	Diff.	M	Logarit.	Diff.	Metolog.	Diff.
0	9.83378	14	9.86966	25	60	9.86413	12	10.03034	25
1	9.83392	13	9.96991	25	59	9.86401	12	10.03009	25
2	9.83405	14	9.97016	26	58	9.86389	12	10.02984	26
3	9.83419	13	9.97042	25	57	9.86377	11	10.02958	25
4	9.83432	14	9.97067	25	56	9.86366	12	10.02933	25
5	9.83446	13	9.97092	26	55	9.86354	12	10.02908	26
6	9.83459	14	9.97118	25	54	9.86342	12	10.02882	25
7	9.83473	13	9.97143	25	53	9.86330	12	10.02857	25
8	9.83486	14	9.97168	25	52	9.86318	12	10.02832	25
9	9.83500	13	9.97193	26	51	9.86306	11	10.02807	26
10	9.83513	14	9.97219	25	50	9.86295	12	10.02781	25
11	9.83527	13	9.97244	25	49	9.86283	12	10.02756	25
12	9.83540	14	9.97269	26	48	9.86271	12	10.02731	26
13	9.83554	13	9.97295	25	47	9.86259	12	10.02705	25
14	9.83567	14	9.97320	25	46	9.86247	12	10.02680	25
15	9.83581	13	9.97345	26	45	9.86235	12	10.02655	26
16	9.83594	14	9.97371	25	44	9.86223	12	10.02629	25
17	9.83608	13	9.97396	25	43	9.86211	11	10.02604	25
18	9.83621	13	9.97421	26	42	9.86200	12	10.02579	26
19	9.83634	14	9.97447	25	41	9.86188	12	10.02553	25
20	9.83648	13	9.97472	25	40	9.86176	12	10.02528	25
21	9.83661	13	9.97497	26	39	9.86164	12	10.02503	26
22	9.83674	14	9.97523	25	38	9.86152	12	10.02477	25
23	9.83688	13	9.97548	25	37	9.86140	12	10.02452	25
24	9.83701	14	9.97573	25	36	9.86128	12	10.02427	25
25	9.83715	13	9.97598	26	35	9.86116	12	10.02402	26
26	9.83728	13	9.97624	25	34	9.86104	12	10.02376	25
27	9.83741	14	9.97649	25	33	9.86092	12	10.02351	25
28	9.83755	13	9.97674	26	32	9.86080	12	10.02326	26
29	9.83768	13	9.97700	25	31	9.86068	12	10.02300	25
30	9.83781		9.97725		30	9.86056		10.02275	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 43.					Gradus 46.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.83781		9.97725	25	30	9.86056		10.02275	25
31	9.83795	14	9.97750	25	31	9.86044	12	10.02250	26
32	9.83808	13	9.97776	25	32	9.86032	12	10.02224	25
33	9.83821	13	9.97801	25	33	9.86020	12	10.02199	25
34	9.83834	14	9.97826	25	34	9.86008	12	10.02174	25
35	9.83848	13	9.97851	26	35	9.85996	12	10.02149	26
36	9.83861	13	9.97877	25	36	9.85984	12	10.02123	25
37	9.83874	13	9.97902	25	37	9.85972	12	10.02098	25
38	9.83887	14	9.97927	26	38	9.85960	12	10.02073	26
39	9.83901	13	9.97953	25	39	9.85948	12	10.02047	25
40	9.83914	13	9.97978	25	40	9.85936	12	10.02022	25
41	9.83927	13	9.98003	26	41	9.85924	12	10.01997	26
42	9.83940	14	9.98029	25	42	9.85912	12	10.01971	25
43	9.83954	13	9.98054	25	43	9.85900	12	10.01946	25
44	9.83967	13	9.98079	25	44	9.85888	12	10.01921	25
45	9.83980	13	9.98104	26	45	9.85876	12	10.01896	26
46	9.83993	13	9.98130	25	46	9.85864	13	10.01870	25
47	9.84006	14	9.98155	25	47	9.85851	12	10.01845	25
48	9.84020	13	9.98180	26	48	9.85839	12	10.01820	26
49	9.84033	13	9.98206	25	49	9.85827	12	10.01794	25
50	9.84046	13	9.98231	25	50	9.85815	12	10.01769	25
51	9.84059	13	9.98256	25	51	9.85803	12	10.01744	25
52	9.84072	13	9.98281	26	52	9.85791	12	10.01719	26
53	9.84085	13	9.98307	25	53	9.85779	13	10.01693	25
54	9.84098	14	9.98332	25	54	9.85766	12	10.01668	25
55	9.84112	13	9.98357	26	55	9.85754	12	10.01643	26
56	9.84125	13	9.98383	25	56	9.85742	12	10.01617	25
57	9.84138	13	9.98408	25	57	9.85730	12	10.01592	25
58	9.84151	13	9.98433	25	58	9.85718	12	10.01567	25
59	9.84164	13	9.98458	26	59	9.85706	13	10.01542	26
60	9.84177		9.98484		60	9.85693		10.01516	

## Tabula XXIII.

Logarithmorum finium, &amp; tangentium.

Gradus 44.					Gradus 45.				
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
0	9.84177	13	9.98484	25	60	9.85693	12	10.01516	25
1	9.84190	13	9.98509	25	59	9.85681	12	10.01491	25
2	9.84203	13	9.98534	26	58	9.85669	12	10.01466	26
3	9.84216	13	9.98560	25	57	9.85657	12	10.01440	25
4	9.84229	13	9.98585	25	56	9.85645	13	10.01415	25
5	9.84242	13	9.98610	25	55	9.85632	12	10.01390	25
6	9.84255	14	9.98635	26	54	9.85620	12	10.01365	26
7	9.84269	13	9.98661	25	53	9.85608	12	10.01339	25
8	9.84282	13	9.98686	25	52	9.85596	13	10.01314	25
9	9.84295	13	9.98711	26	51	9.85583	12	10.01289	26
10	9.84308	13	9.98737	25	50	9.85571	12	10.01263	25
11	9.84321	13	9.98762	25	49	9.85559	12	10.01238	25
12	9.84334	13	9.98787	25	48	9.85547	13	10.01213	25
13	9.84347	13	9.98812	26	47	9.85534	12	10.01188	26
14	9.84360	13	9.98838	25	46	9.85522	12	10.01162	25
15	9.84373	12	9.98863	25	45	9.85510	13	10.01137	25
16	9.84385	13	9.98888	25	44	9.85497	12	10.01112	25
17	9.84398	13	9.98913	26	43	9.85485	12	10.01087	26
18	9.84411	13	9.98939	25	42	9.85473	13	10.01061	25
19	9.84424	13	9.98964	25	41	9.85460	12	10.01036	25
20	9.84437	13	9.98989	26	40	9.85448	12	10.01011	26
21	9.84450	13	9.99015	25	39	9.85436	13	10.00985	25
22	9.84463	13	9.99040	25	38	9.85423	12	10.00960	25
23	9.84476	13	9.99065	25	37	9.85411	12	10.00935	25
24	9.84489	13	9.99090	26	36	9.85399	13	10.00910	26
25	9.84502	13	9.99116	25	35	9.85386	12	10.00884	25
26	9.84515	13	9.99141	25	34	9.85374	13	10.00859	25
27	9.84528	12	9.99166	25	33	9.85361	12	10.00834	25
28	9.84540	13	9.99191	26	32	9.85349	12	10.00809	26
29	9.84553	13	9.99217	25	31	9.85337	13	10.00783	25
30	9.84566		9.99242		30	9.85324		10.00758	

## Tabula XXIII.

Logarithmorum sinuum, &amp; tangentium.

Gradus 44.				Gradus 45.					
M.	Logarit.	Diff.	Mefolog.	Diff.	M.	Logarit.	Diff.	Mefolog.	Diff.
30	9.84366		9.99242		30	9.85324		10.00758	
31	9.84579	13	9.99267	25	29	9.85312	12	10.00733	25
32	9.84592	13	9.99293	25	28	9.85299	13	10.00707	26
33	9.84605	13	9.99318	25	27	9.85287	12	10.00682	25
34	9.84618	12	9.99343	25	26	9.85274	13	10.00657	25
35	9.84630		9.99368		25	9.85262	12	10.00632	26
36	9.84643	13	9.99394	25	24	9.85250	13	10.00606	25
37	9.84656	13	9.99419	25	23	9.85237	12	10.00581	25
38	9.84669	13	9.99444	25	22	9.85225	13	10.00556	25
39	9.84682	12	9.99469	26	21	9.85212	12	10.00531	26
40	9.84694		9.99495		20	9.85200	13	10.00505	25
41	9.84707	13	9.99520	25	19	9.85187	12	10.00480	25
42	9.84720	13	9.99545	25	18	9.85175	13	10.00455	25
43	9.84733	12	9.99570	26	17	9.85162	12	10.00430	26
44	9.84745	13	9.99596	25	16	9.85150	13	10.00404	25
45	9.84758		9.99621		15	9.85137	12	10.00379	25
46	9.84771	13	9.99646	26	14	9.85125	13	10.00354	26
47	9.84784	12	9.99672	25	13	9.85112	12	10.00328	25
48	9.84796	13	9.99697	25	12	9.85100	13	10.00303	25
49	9.84809	13	9.99722	25	11	9.85087	13	10.00278	25
50	9.84822		9.99747		10	9.85074	12	10.00253	26
51	9.84835	12	9.99773	25	9	9.85062	13	10.00227	25
52	9.84847	13	9.99798	25	8	9.85049	12	10.00202	25
53	9.84860	13	9.99823	25	7	9.85037	13	10.00177	25
54	9.84873	12	9.99848	26	6	9.85024	12	10.00152	26
55	9.84885		9.99874		5	9.85012	13	10.00126	25
56	9.84898	13	9.99899	25	4	9.84999	12	10.00101	25
57	9.84911	12	9.99924	25	3	9.84986	13	10.00076	25
58	9.84923	13	9.99949	26	2	9.84974	12	10.00051	26
59	9.84936		9.99975		1	9.84961	13	10.00025	25
60	9.84949		10.00000		0	9.84949		10.00000	

T A B U L Æ  
HELIOMETRIÆ,  
E T  
SELENOMETRIÆ  
DEFICIENTIS,  
SIVE TABULÆ

*Utriusque Luminaris Eclipsibus Congruæ,  
Calculoque tam Numerico, quam  
geometrico accomodata.*

## Tabula I.

Revolutionum  $\sigma$  &  $\odot$  mediarum  
Epactæ ad hos annos.

## Anni Expansi.

Anni		Epactæ Lunares				Distantia Δ a Ω				Anomalia ☉				Anomalia Δ			
Gregor.		D.	H.	I	II	S	O	I	II	S	O	I	II	S	O	I	II
	1700	20	12	22	15	0	21	57	51	6	2	11	12	6	12	52	39
	1800	15	4	11	45	3	0	52	9	6	0	34	4	0	18	27	55
	1900	9	20	1	15	5	9	46	27	5	28	56	56	6	24	3	11
	2000	5	11	50	46	8	1	48	9	5	28	18	56	1	12	42	21
B	1	10	15	11	23	4	28	42	47	11	29	44	50	2	28	43	13
	2	21	6	22	46	9	27	25	33	11	29	29	40	5	27	26	26
	3	2	8	50	6	2	26	8	19	11	29	14	30	8	26	9	38
	4	14	0	1	30	8	8	4	52	11	29	58	28	0	7	56	45
B	5	24	15	12	53	1	6	47	38	11	29	43	18	3	6	39	58
	6	5	17	40	13	6	5	30	24	11	29	28	8	6	5	23	11
	7	16	8	51	35	11	4	13	11	11	29	12	58	9	4	6	24
	8	28	0	3	0	4	16	9	42	11	29	56	56	0	15	53	30
B	9	9	2	30	20	9	14	52	30	11	29	41	46	3	14	36	44
	10	19	17	41	43	2	13	35	17	11	29	26	37	6	13	19	57
	11	0	20	9	3	7	12	18	4	11	29	11	27	9	12	3	10
	12	12	11	20	27	0	24	14	36	11	29	55	26	0	23	50	17
B	13	23	2	31	50	5	22	57	22	11	29	40	16	3	22	33	30
	14	4	4	59	10	10	21	40	9	11	29	25	6	6	21	16	44
	15	14	20	10	33	3	20	22	55	11	29	9	56	9	19	59	56
	16	26	11	21	57	9	2	19	28	11	29	53	54	1	1	47	3
B	17	7	13	49	17	2	1	2	15	11	29	38	44	4	0	30	16
	18	18	5	0	40	6	29	45	1	11	29	23	34	6	29	13	29
	19	28	20	12	3	11	28	27	48	11	29	8	24	9	27	56	42
	20	10	22	39	24	5	10	24	20	11	29	52	24	1	9	43	50
B	40	21	21	18	48	10	28	48	41	11	29	44	48	2	19	27	40
B	60	3	7	14	9	4	1	13	1	11	29	37	12	3	29	11	30
B	80	14	5	53	33	9	11	37	22	11	29	29	36	5	8	55	20
B	100	25	4	32	57	2	22	1	42	11	29	22	0	6	18	39	10
B	200	20	20	21	51	5	14	3	24	11	28	44	1	1	7	18	20
B	300	16	12	10	45	8	6	5	6	11	28	6	1	7	25	57	30
B	400	12	3	59	39	10	28	6	47	11	27	28	2	2	14	36	40
B	500	7	19	48	33	1	20	8	29	11	26	50	2	9	3	15	50

## Tabula I.

Revolutionum  $\sigma$  &  $\odot$  mediarum  
Epactæ ad hos annos.

## Anni Collecti.

Anni	Epactæ Lunares				Distantia $\Delta$ $\odot$				Anomalia $\odot$				Anomalia $\Delta$			
Compl.	D.	H.	I	II	S	O	I	II	S	O	I	II	S	O	I	II
1705	15	14	51	5	1	28	45	29	6	1	54	30	9	19	32	37
1706	26	6	2	27	6	27	28	15	6	1	39	20	0	18	15	50
1707	7	8	29	47	11	26	11	2	6	1	24	10	3	16	59	3
B 1708	18	23	41	12	5	8	7	33	6	2	8	8	6	28	46	9
1709	0	2	8	32	10	6	50	21	6	1	52	58	9	27	29	23
1710	10	17	19	55	3	5	33	8	6	1	37	49	0	26	12	36
1711	21	8	31	18	8	4	15	55	6	1	22	39	3	24	55	49
B 1712	3	10	58	39	1	16	12	27	6	2	6	38	7	6	42	56
1713	14	2	10	2	6	14	55	13	6	1	51	28	10	5	26	9
1714	24	17	21	25	11	13	38	0	6	1	36	18	1	4	9	23
1715	5	19	48	45	4	12	20	46	6	1	21	8	4	2	52	35
B 1716	17	11	0	9	9	24	17	19	6	2	5	6	7	14	39	42
1717	28	2	11	32	2	23	0	6	6	1	49	56	10	13	22	55
1718	9	4	38	52	7	21	42	52	6	1	34	46	1	12	6	8
1719	19	19	50	15	0	20	25	39	6	1	21	8	4	10	49	21
B 1720	1	22	17	36	6	2	22	11	6	2	3	38	7	22	36	29
1721	12	13	28	59	11	1	4	58	6	1	48	26	10	21	19	42
1722	23	4	40	22	3	29	47	44	6	1	33	16	1	20	2	55
1723	4	7	7	42	8	28	30	30	6	1	18	6	4	18	46	7
B 1724	15	22	19	6	2	10	27	3	6	2	2	4	8	0	33	14
1725	26	13	30	29	7	9	9	49	6	1	46	54	10	29	16	27
1726	7	15	57	48	0	7	52	35	6	1	31	44	1	27	59	40
1727	18	7	9	11	5	6	35	22	6	1	16	34	4	26	42	53
B 1728	0	9	36	33	10	18	31	53	6	2	0	33	8	8	29	59
1729	11	0	47	56	3	17	14	41	6	1	45	22	11	7	13	13
1730	21	15	59	19	8	15	57	28	6	1	30	13	2	5	56	26
1731	2	18	26	39	1	14	40	15	6	1	15	3	5	4	39	39
B 1732	14	9	38	3	6	16	36	47	6	1	59	2	8	16	26	46
1733	25	0	49	26	11	25	19	33	6	1	43	52	11	15	9	59
1734	6	3	16	46	4	24	2	20	6	1	28	42	2	13	53	13
1735	16	18	28	9	9	22	45	6	6	1	13	32	5	12	36	25
B 1736	28	9	39	33	3	4	41	39	6	1	57	30	8	24	23	32



## Tabula I.

Revolutionum  $\sigma$  &  $\odot$  mediarum  
Epactæ ad hos annos.

## Anni Collecti.

Anni	Epactæ Lunares				Distantia $\Delta$ a $\Omega$				Anomalia $\odot$				Anomalia $\Delta$			
Compl.	D.	H.	l	ll	S	o	l	ll	S	o	l	ll	S	o	l	ll
1737	9	12	6	53	8	3	24	24	6	1	42	20	11	23	6	45
1738	20	3	18	16	1	2	7	12	6	1	27	10	2	21	49	58
1739	1	5	45	36	6	0	49	59	6	1	12	0	5	20	33	11
B 1740	12	20	56	59	11	12	46	31	6	1	56	0	9	2	20	19
1741	23	12	8	22	4	11	29	18	6	1	40	50	0	1	3	32
1742	4	14	35	42	9	10	12	4	6	1	25	40	2	29	46	45
1743	15	5	47	5	2	8	54	50	6	1	10	30	5	28	29	57
B 1744	26	20	58	29	7	20	51	23	6	1	54	28	9	10	17	4
1745	7	23	25	49	0	19	34	9	6	1	39	18	0	9	0	17
1746	18	14	37	11	5	18	16	55	6	1	24	8	3	7	43	30
1747	29	5	48	34	10	16	59	42	6	1	8	58	6	6	26	43
B 1748	11	8	15	56	3	28	56	13	6	1	52	56	9	18	13	49
1749	21	23	27	19	8	27	39	1	6	1	37	46	0	16	57	3
1750	3	1	54	39	1	26	21	48	6	1	22	37	3	15	40	16
1751	13	17	6	2	6	25	4	35	6	1	7	27	6	14	23	29
B 1752	25	8	17	26	0	7	1	7	6	1	51	26	9	26	10	36
1753	6	10	44	46	5	5	43	53	6	1	36	16	0	24	53	49
1754	17	1	56	9	10	4	26	40	6	1	21	6	3	23	37	3
1755	27	17	7	32	3	3	9	26	6	1	5	56	6	22	20	15
B 1756	9	19	34	53	8	15	5	59	6	1	40	54	10	4	7	22
1757	20	10	46	16	1	13	48	46	6	1	34	44	1	2	50	35
1758	1	13	13	36	6	12	31	32	6	1	19	34	4	1	33	48
1759	12	4	24	59	11	11	14	19	6	1	4	24	7	0	17	1
B 1760	23	19	36	24	4	23	10	52	6	1	48	24	10	12	4	9
1761	4	22	3	44	9	21	53	39	6	1	33	14	1	10	47	22
1762	15	13	15	7	2	20	36	25	6	1	18	4	4	9	30	35
1763	26	4	26	30	7	19	19	11	6	1	2	54	7	8	13	47
B 1764	8	6	53	51	1	1	15	44	6	1	46	52	10	20	0	54
1765	18	22	5	14	5	29	58	30	6	1	31	42	1	18	44	7
1766	0	0	32	33	10	28	41	16	6	1	16	32	4	17	27	20
1767	10	15	43	56	3	27	24	3	6	1	1	22	7	16	10	33
B 1768	22	6	55	51	9	9	20	34	6	1	45	20	10	27	57	39

## Tabula I.

Revolutionum  $\sigma$  &  $\odot$  mediarum  
Epactæ ad hos annos.

## Anni Collecti.

Anni Compl.	Epactæ Lunares				Distantia $\Delta$ a $\odot$				Anomalia $\odot$				Anomalia $\Delta$			
	D.	H.	I	II	S	O	I	II	S	O	I	II	S	O	I	II
1769	3	9	22	40	2	8	3	22	6	1	30	10	1	26	40	53
1770	14	0	34	4	7	6	46	9	6	1	15	1	4	25	24	6
1771	24	15	45	26	0	5	28	56	6	0	59	51	7	24	7	19
B 1772	6	18	12	48	5	17	25	28	6	1	43	50	11	5	54	26
1773	17	9	24	11	10	16	8	14	6	1	28	40	2	4	37	39
1774	28	0	35	34	3	14	51	1	6	1	13	30	5	3	20	53
1775	9	3	2	54	8	13	33	47	6	0	58	20	8	2	4	5
B 1776	20	18	14	18	1	25	30	20	6	1	42	18	11	13	51	12
1777	1	20	41	38	6	24	13	7	6	1	27	8	2	12	34	25
1778	12	11	53	1	11	22	55	53	6	1	11	58	5	11	17	38
1779	23	3	4	27	4	21	38	40	6	0	56	48	8	10	0	51
B 1780	5	5	31	44	10	3	35	13	6	1	40	48	11	21	47	59
1781	15	20	43	7	3	2	18	0	6	1	25	38	2	20	31	12
1782	26	11	54	30	8	1	0	46	6	1	10	28	5	19	14	25
1783	7	14	21	50	0	29	43	32	6	0	55	18	8	17	57	37
B 1784	19	5	33	14	6	11	40	5	6	1	39	16	11	29	44	44
1785	0	8	0	34	11	10	22	51	6	1	24	6	2	28	27	57
1786	10	23	11	56	4	9	5	37	6	1	8	56	5	27	11	10
1787	21	14	23	19	9	7	48	24	6	0	53	46	8	25	54	23
B 1788	3	16	50	41	2	19	44	55	6	1	37	44	0	7	41	29
1789	14	8	2	4	7	18	27	43	6	1	22	34	3	6	24	43
1790	24	23	13	27	0	17	10	30	6	1	7	25	6	5	7	56
1791	6	1	40	47	5	15	53	17	6	0	52	15	9	3	51	9
B 1792	17	16	52	11	10	27	49	49	6	1	36	14	0	15	38	16
1793	28	8	3	34	3	26	32	35	6	1	21	4	3	14	21	29
1794	9	10	30	54	8	25	15	22	6	1	5	54	6	13	3	43
1795	20	1	42	17	1	23	58	8	6	0	50	44	9	11	47	55
B 1796	2	4	9	38	7	5	54	41	6	1	34	42	0	23	35	2
1797	12	19	21	1	0	4	37	28	6	1	19	32	3	22	18	13
1798	23	10	32	24	5	3	20	14	6	1	4	22	6	21	1	28
1799	4	12	59	44	10	2	3	1	6	0	49	12	9	19	44	41
1800	15	4	11	45	3	0	52	9	6	0	34	4	0	18	27	55

## Tabula II.

Revolutionum pro Mensibus tam anni communis,  
quam Bisextilis.

## Menses anni Communis.

Menses Completi	Epactæ D				Distant. D a ♄				Anomalia ☿				Anomalia D			
	D.	H.	l	ll	S	o	l	ll	S	o	l	ll	S	o	l	ll
Januarius	1	11	15	55	1	20	6	36	1	0	33	14	1	15	0	53
Februarius	29	11	16	0	2	0	31	54	1	28	9	3	1	20	50	3
Martius	1	9	47	49	3	20	38	29	2	28	42	18	2	5	50	56
Aprilis	1	21	3	47	4	27	31	19	3	28	16	23	4	7	47	54
Majus	3	8	19	43	6	17	37	55	4	28	49	37	5	22	48	47
Junius	3	19	35	39	7	24	30	45	5	28	23	43	6	24	45	45
Julius	5	6	51	33	9	14	37	19	6	28	56	57	8	9	46	38
Augustus	6	18	7	35	11	4	43	55	7	29	30	11	9	24	47	30
September	7	5	23	31	0	11	36	45	8	29	4	17	10	26	44	29
October	8	16	39	29	2	1	43	20	9	29	37	30	0	11	45	22
November	9	3	55	25	3	8	36	9	10	29	11	36	1	13	42	20
December	10	15	11	23	4	28	42	47	11	29	44	50	2	28	43	13

## Menses anni Bisextilis.

Menses Completi	Epactæ D				Distant. D a ♄				Anomalia ☿				Anomalia D			
	D.	H.	l	ll	S	o	l	ll	S	o	l	ll	S	o	l	ll
Januarius	1	11	15	55	1	20	6	36	1	0	33	14	1	15	0	53
Februarius	30	11	16	0	2	13	45	39	1	29	8	12	2	3	53	57
Martius	2	9	47	49	4	3	52	15	2	29	41	26	3	18	54	50
Aprilis	2	21	3	47	5	10	45	4	3	29	15	32	4	20	51	48
Majus	4	8	19	43	7	0	51	40	4	29	48	45	6	5	52	40
Junius	4	19	35	39	8	7	44	30	5	29	22	51	7	7	49	39
Julius	6	6	51	33	9	27	51	5	6	29	56	5	8	22	50	32
Augustus	7	18	7	35	11	17	57	40	8	0	29	19	10	7	51	24
September	8	5	23	31	0	24	50	30	9	0	3	24	11	9	48	23
October	9	16	39	29	2	14	57	6	10	0	36	38	0	24	49	16
November	10	3	55	25	3	21	49	55	11	0	10	44	1	26	46	14
December	11	15	11	23	5	11	56	32	0	0	43	59	3	11	47	7

## Tabula III.

Revolutionum pro Diebus

## Motus Dierum.

Dies	Distantia $\Delta$ a $\odot$				Anomalia $\odot$				Anomalia $\Delta$			
	S	o	l	ll	S	o	l	ll	S	o	l	ll
1	0	13	13	46	0	0	59	8	0	13	3	54
2	0	26	27	32	0	1	58	17	0	26	7	48
3	1	9	41	17	0	2	57	25	1	9	11	42
4	1	22	55	3	0	3	56	32	1	22	15	35
5	2	6	8	49	0	4	55	41	2	5	19	30
6	2	19	22	34	0	5	54	49	2	18	23	24
7	3	2	36	20	0	6	53	57	3	1	27	17
8	3	15	50	5	0	7	53	6	3	14	31	11
9	3	29	3	51	0	8	52	14	3	27	35	5
10	4	12	17	36	0	9	51	22	4	10	38	59
11	4	25	31	22	0	10	50	30	4	23	42	53
12	5	8	45	7	0	11	49	38	5	6	46	47
13	5	21	58	53	0	12	48	46	5	19	50	41
14	6	5	12	38	0	13	47	55	6	2	54	35
15	6	18	26	24	0	14	47	3	6	15	58	29
16	7	1	40	9	0	15	46	11	6	29	2	23
17	7	14	53	55	0	16	45	20	7	12	6	17
18	7	28	7	41	0	17	44	28	7	25	10	11
19	8	11	21	27	0	18	43	36	8	8	14	5
20	8	24	35	13	0	19	42	44	8	21	17	59
21	9	7	48	58	0	20	41	52	9	4	21	53
22	9	21	2	44	0	21	41	0	9	17	25	47
23	10	4	16	30	0	22	40	9	10	0	29	41
24	10	17	30	15	0	23	39	17	10	13	33	35
25	11	0	44	1	0	24	38	25	10	26	37	28
26	11	13	57	47	0	25	37	33	11	9	41	22
27	11	27	11	33	0	26	36	41	11	22	45	16
28	0	10	25	18	0	27	35	49	0	5	49	10
29	0	23	39	5	0	28	34	58	0	18	53	4
30	1	6	52	50	0	29	34	6	1	1	56	58
31	1	20	6	36	1	0	33	14	1	15	0	52

## Tabula IV.

Revolutionum pro horis &amp; minutis.

## Motus Horarum &amp; Minutorum.

Diff. ☾ a ☉			Anom. ☿			Anom. ♃			Diff. ☾			An. ☿			An. ♃		
H.	o	l	ll	o	l	ll	o	l	ll	M.	l	ll	l	ll	l	ll	ll
M.	l	ll	lll	l	ll	lll	l	ll	lll	M.	l	ll	l	ll	l	ll	ll
S.	ll	lll	IV	ll	lll	IV	ll	lll	IV	S.	ll	lll	ll	lll	ll	lll	lll
1	0	33	4	0	2	28	0	32	39	31	17	5	1	16	16	52	
2	1	6	9	0	4	56	1	5	20	32	17	38	1	19	17	25	
3	1	39	13	0	7	24	1	37	59	33	18	11	1	21	17	58	
4	2	12	18	0	9	51	2	10	39	34	18	44	1	24	18	31	
5	2	45	22	0	12	19	2	43	18	35	19	18	1	26	19	3	
6	3	18	27	0	14	47	3	15	59	36	19	51	1	29	19	36	
7	3	51	31	0	17	15	3	48	38	37	20	24	1	31	20	9	
8	4	24	36	0	19	43	4	21	18	38	20	57	1	34	20	41	
9	4	57	40	0	22	11	4	53	58	39	21	30	1	36	21	14	
10	5	30	44	0	24	38	5	26	38	40	22	3	1	39	21	47	
11	6	3	48	0	27	6	5	59	17	41	22	36	1	41	22	20	
12	6	36	52	0	29	34	6	31	56	42	23	9	1	43	22	52	
13	7	9	57	0	32	2	7	4	37	43	23	42	1	46	23	24	
14	7	43	1	0	34	30	7	37	16	44	24	15	1	48	23	57	
15	8	16	6	0	36	58	8	9	56	45	24	48	1	51	24	29	
16	8	49	10	0	39	25	8	42	36	46	25	21	1	53	25	2	
17	9	22	15	0	41	53	9	15	16	47	25	54	1	56	25	35	
18	9	55	19	0	44	21	9	47	55	48	26	27	1	58	26	8	
19	10	28	24	0	46	49	10	20	35	49	27	0	2	1	26	40	
20	11	1	28	0	49	17	10	53	15	50	27	34	2	3	27	13	
21	11	34	32	0	51	45	11	25	54	51	28	7	2	6	27	46	
22	12	7	37	0	54	13	11	58	34	52	28	40	2	8	28	19	
23	12	40	41	0	56	40	12	31	14	53	29	13	2	11	28	51	
24	13	11	46	0	59	8	13	3	54	54	29	46	2	13	29	24	
25	13	46	50	1	1	36	13	36	33	55	30	39	2	16	29	57	
26	14	19	55	1	4	4	14	9	13	56	30	52	2	18	30	29	
27	14	52	59	1	6	32	14	41	53	57	31	25	2	20	31	2	
28	15	26	41	1	9	0	15	14	33	58	31	58	2	23	31	35	
29	15	59	8	1	11	27	15	47	12	59	32	31	2	25	32	8	
30	16	32	12	1	13	55	16	19	53	60	33	42	2	28	32	39	

## Tabula V.

Phasum Lunarium

## Tabula VII.

Terminorum Eclipticorum.

Phas. Lunar. Synopsi.					Termini Ecliptici necessarii.									
Phases	D	H	I	II	Pro. ☾					Pro. ☼				
					VI	V	XI			O	XI	VI	V	
Pr. ☾	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plen. ☾	14	18	22	2	1	0	29	0	1	0	29	0	1	0
Ult. ☾	22	3	33	3	2	0	28	0	2	0	28	0	2	0
Novil. ☾	29	12	44	3	3	0	27	0	3	0	27	0	3	0
Pr. ☾	36	21	55	4	4	0	26	0	4	0	26	0	4	0
Plen. ☾	44	7	6	5	5	0	25	0	5	0	25	0	5	0
Ult. ☾	51	16	17	6	6	0	24	0	6	0	24	0	6	0
Novil. ☾	59	1	28	6	7	0	23	0	7	0	23	0	7	0
Pr. ☾	66	10	39	7	8	0	22	0	8	0	22	0	8	0
Plen. ☾	73	19	50	8	9	0	21	0	9	0	21	0	9	0
Ult. ☾	81	5	1	9	10	0	20	0	10	0	20	0	10	0
Novil. ☾	88	14	12	9	11	0	19	0	11	0	19	0	11	0
					12	0	18	0	12	0	18	0	12	0
					Termini Possib.					Termini Possibiles.				
					13	0	17	0	13	0	16	0	13	0
					14	0	16	0	14	0	15	0	14	0
					15	12	15	0	15	26	14	30	15	0
							14	48	Possibil.	13	34		11	0
									17	12			10	0
									18	11			9	0

Tabula VI. Epactæ menstruæ.

Epactæ Lunares					Distant a ♀					Anomalía ☼					Anomalía ☾				
Menses	D	H	I	II	S	O	I	II		S	O	I	II		S	O	I	II	
☾	1	29	12	44	3	1	0	40	14	0	29	6	20	0	0	25	49	0	0
	2	59	1	28	6	2	1	20	27	1	28	12	41	1	1	21	38	0	0
	3	88	14	12	9	3	2	0	41	2	27	19	1	2	2	17	27	0	0
	4	118	2	56	13	4	2	40	55	3	26	25	22	3	3	13	16	0	0
	5	147	15	40	16	5	3	21	8	4	25	31	42	4	4	9	5	0	0
	6	177	4	24	19	6	4	1	22	5	24	38	3	5	5	4	54	0	0
Dimidium Mensis Lunaræ																			
☾	14	18	22	2	6	15	20	6	0	14	33	10	6	12	54	30			
Mensis Lunaræ Quadrans																			
☾	7	9	11	1	3	7	40	4	0	7	16	35	3	6	27	15			

Tabula VIII. distantiae  $\gamma$  a  $\Omega$ ;

Subtrahe.

Diff.		In Signis O vel VI termini possibiles fiunt necessarii												In Signis V vel XI termini possibiles fiunt impossibiles	
In. D	Gr.	O	I	II	III	IV	V	VI	VII	VIII	IX	X	XI		
1	0	5	22	4	8	4	56	4	25	2	35	29			
2	0	10	26	4	11	4	56	4	22	2	30	28			
3	0	14	30	4	13	4	56	4	20	2	25	27			
4	0	19	34	4	16	4	56	4	17	2	21	26			
5	0	24	39	4	18	4	56	4	15	2	16	25			
6	0	28	43	4	21	4	56	4	12	2	11	24			
7	0	33	47	4	23	4	56	4	9	2	6	23			
8	0	38	50	4	25	4	56	4	6	2	0	22			
9	0	43	54	4	27	4	56	4	3	1	55	21			
10	0	47	58	4	30	4	55	4	0	1	50	20			
11	0	52	3	4	32	4	55	3	56	1	45	19			
12	0	57	3	6	34	4	54	3	53	1	40	18			
13	I	1	10	3	35	4	53	3	50	1	34	17			
14	I	6	13	4	37	4	53	3	46	1	29	16			
15	I	11	17	4	39	4	52	3	43	1	24	15			
16	I	15	21	4	41	4	51	3	39	1	18	14			
17	I	20	24	4	42	4	50	3	35	1	13	13			
18	I	25	28	4	44	4	48	3	31	1	7	12			
19	I	29	31	4	45	4	47	3	27	1	2	11			
20	I	34	35	4	46	4	46	3	23	0	56	10			
21	I	38	38	4	48	4	44	3	19	0	51	9			
22	I	43	41	4	49	4	43	3	15	0	45	8			
23	I	47	44	4	50	4	41	3	11	0	39	7			
24	I	52	48	4	51	4	40	3	7	0	34	6			
25	I	56	51	4	52	4	38	3	2	0	28	5			
26	2	0	54	4	53	4	36	2	58	0	23	4			
27	2	5	57	4	54	4	34	2	54	0	17	3			
28	2	9	0	4	54	4	32	2	49	0	11	2			
29	2	13	3	4	55	4	30	2	44	0	6	1			
30	2	XI 18	4 X 6	4 IX 55	4 VIII 27	2 VII 40	0 VI 0					0			
In Signis V. vel XI. termini possibiles fiunt necessarii Gr.															
In Signis O. vel VI termini possibiles fiunt impossibiles,   An.															

Adde

Ta-

## Tabula IX.

Dierum collectorum totius Anni.

December	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366
November	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	
October	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305
September	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	
Augustus	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244
Julius	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213
Junius	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	
Maius	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152
Aprilis	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	
Martius	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91
Februarius	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60			
Januarius	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Annus C.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Annus B.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

Ta-



## Tabula X.

Reductionis Temporalis inter  $\sigma$ ; vel  $\odot$  verum,  
&  $\sigma$  vel  $\odot$  Eclipticum.

Subtrahere a tempore veræ Sizigiz in Orbita.

Arg. Lat. O. vel VI.

Motus Horarius D a  $\odot$  verus.

G.	27	28	29	30	31	32	33	34	35	36	
0	0	0	0	0	0	0	0	0	0	0	30
1	0	35	0	34	0	33	0	31	0	29	29
2	1	10	1	7	1	5	1	3	1	0	28
3	1	45	1	41	1	37	1	34	1	30	27
4	2	20	2	15	2	10	2	5	2	0	26
5	2	55	2	48	2	43	2	36	2	30	25
6	3	29	3	21	3	14	3	7	3	0	24
7	4	4	3	54	3	46	3	38	3	30	23
8	4	38	4	27	4	17	4	8	3	59	22
9	5	11	4	59	4	48	4	38	4	28	21
10	5	44	5	31	5	19	5	7	4	56	20
11	6	17	6	3	5	49	5	37	5	25	19
12	6	50	6	34	6	29	6	6	5	53	18
13	7	22	7	5	6	49	6	35	6	21	17
14	7	54	7	36	7	18	7	3	6	48	16
15	8	26	8	7	7	47	7	31	7	15	15
16	8	57	8	37	8	16	7	59	7	42	14

V. vel XI.

Adde tempori veræ Sizigiz in Orbita.

Tabella conversionis Signorum in gradus resolutorum  
pro Latitudine.

Log.	O	I	II	S. A.	Log.	O	I	II	S. A.
Log. 2.	III	IV	V	S. D.	Log. 2.	III	IV	V	S. D.
Log.	VI	VII	VIII	M. D.	Log.	VI	VII	VIII	M. D.
Log. 2.	IX	X	XI	M. A.	Log. 2.	IX	X	XI	M. A.
Gr.	0	30	60		15	15	45	75	
1	1	31	61		16	16	46	76	
2	2	32	62		17	17	47	77	
3	3	33	63		18	18	48	78	
4	4	34	64		19	19	49	79	
5	5	35	65		20	20	50	80	
6	6	36	66		21	21	51	81	
7	7	37	67		22	22	52	82	
8	8	38	68		23	23	53	83	
9	9	39	69		24	24	54	84	
10	10	40	70		25	25	55	85	
11	11	41	71		26	26	56	86	
12	12	42	72		27	27	57	87	
13	13	43	73		28	28	58	88	
14	14	44	74		29	29	59	89	
15	15	45	75		30	30	60	90	

## Tabula XI.

Phaſum Lunarium Theſaurus:  
Subtrahe.

☉	O		I		II		III		IV		V		
D	H	I	H	I	H	I	H	I	H	I	H	I	
0	0	0	2	19	4	4	4	46	4	14	2	29	30
1	0	11	2	8	4	54	4	36	4	3	2	18	29
2	0	21	1	58	4	43	4	26	3	53	2	7	28
3	0	32	1	47	4	32	4	15	3	42	1	57	27
4	0	42	1	37	4	22	4	5	3	32	1	46	26
5	0	53	1	26	4	11	3	54	3	21	1	35	25
6	1	3	1	16	3	1	3	44	3	11	1	25	24
7	1	14	1	5	2	50	3	33	3	0	1	14	23
8	1	24	0	55	2	40	3	23	2	50	1	4	22
9	1	35	0	45	2	30	3	12	2	39	0	54	21
10	1	45	0	34	2	19	3	2	2	29	0	43	20
11	1	55	0	24	2	9	2	51	2	18	0	33	19
12	2	5	0	14	1	59	2	41	2	8	0	23	18
13	2	15	0	3	1	48	2	30	1	57	0	12	17
14	2	25	0	7	1	38	2	20	1	47	0	2	16
15	2	35	0	17	1	28	2	10	1	37	0	8	15
16	2	45	0	27	1	18	2	0	1	27	0	18	14
17	2	55	0	37	1	8	1	50	1	17	0	28	13
18	3	5	0	47	0	58	1	40	1	7	0	38	12
19	3	15	0	57	0	48	1	30	0	57	0	48	11
20	3	25	1	7	0	38	1	20	0	47	0	58	10
21	3	34	1	16	0	28	1	10	0	37	1	8	9
22	3	44	1	26	0	18	1	0	0	27	1	18	8
23	3	54	1	36	0	8	0	50	0	17	1	28	7
24	4	3	1	46	0	1	0	40	0	8	1	38	6
25	4	13	1	56	0	11	0	30	0	2	1	48	5
26	4	22	2	5	0	20	0	21	0	11	1	57	4
27	4	32	2	14	0	30	0	11	0	21	2	6	3
28	4	41	2	24	0	39	0	1	0	30	2	16	2
29	4	50	2	33	0	49	0	8	0	40	2	25	1
30	4	59	2	42	0	58	0	17	0	49	2	34	0
☉	O		XI		X		IX		VIII		VII		VI

Subtrahe

Ta-

## Tabula XI.

Phaſum Lunarium Theſaurus.  
Adde.

☉	VI		VII		VIII		IX		X		XI			
D	H	I	H	I	H	I	H	I	H	I	H	I		
0	0		0	2	29	4	14	4	47	4	4	2	19	30
1	0		11	2	40	4	25	4	58	4	15	2	30	29
2	0		21	2	50	4	35	5	8	4	25	2	40	28
3	0		32	3	0	4	46	5	18	4	36	2	50	27
4	0		42	3	11	4	56	5	29	4	46	3	1	26
5	0		53	3	21	5	7	5	40	4	57	3	11	25
6	1		3	3	31	5	17	5	49	5	7	3	21	24
7	1		14	3	42	5	28	6	10	5	18	3	32	23
8	1		24	3	52	5	38	6	20	5	28	3	42	22
9	1		34	4	2	5	48	6	20	5	38	3	52	21
10	1		45	4	13	5	59	6	31	5	48	4	3	20
11	1		55	4	23	6	9	6	41	5	58	4	13	19
12	2		5	4	33	6	19	6	51	6	8	4	23	18
13	2		16	4	44	6	29	7	1	6	18	4	33	17
14	2		26	4	54	6	39	7	11	6	28	4	43	16
15	2		36	5	4	6	49	7	21	6	38	4	53	15
16	2		46	5	14	6	59	7	31	6	48	5	3	14
17	2		56	5	24	7	9	7	41	6	58	5	13	13
18	3		6	5	34	7	19	7	50	7	8	5	23	12
19	3		16	5	44	7	29	8	0	7	18	5	33	11
20	3		26	5	53	7	38	8	9	7	27	5	43	10
21	3		36	6	3	7	48	8	19	7	37	5	52	9
22	3		46	6	12	7	57	8	28	7	46	6	2	8
23	3		55	6	22	8	7	8	38	7	56	6	12	7
24	4		5	6	31	8	16	8	47	8	5	6	21	6
25	4		15	6	41	8	25	8	57	8	14	6	30	5
26	4		24	6	50	8	34	9	6	8	23	6	39	4
27	4		33	6	59	8	43	9	15	8	32	6	48	3
28	4		43	7	8	8	52	9	24	8	41	6	57	2
29	4		52	7	17	9	1	9	33	8	50	7	6	1
30	5		1	7	26	9	10	9	42	8	59	7	15	0
☉	VI		V		IV		III		II		I		XI	
Sub. Anale														D

## Tabula XI.

Phasum Lunarium Theſaurus;  
Adde.

☉	O		I		II		III		IV		V		
D	H	I	H	I	H	I	H	I	H	I	H	I	
1	4	59	2	42	0	58	0	17	0	49	2	34	30
1	5	8	2	51	1	7	0	26	0	58	2	43	29
2	5	17	3	0	1	16	0	35	1	7	2	52	28
3	5	25	3	8	1	25	0	44	1	16	3	1	27
4	5	34	3	17	1	34	0	53	1	25	3	10	26
5	5	42	3	26	1	43	1	2	1	34	3	19	25
6	5	50	3	35	1	51	1	10	1	43	3	27	24
7	5	58	3	44	2	0	1	19	1	52	3	36	23
8	6	6	3	52	2	8	1	27	2	0	3	44	22
9	6	14	4	0	2	16	1	35	2	8	3	52	21
10	6	22	4	8	2	25	1	44	2	16	4	0	20
11	6	30	4	16	2	33	1	52	2	24	4	8	19
12	6	38	4	24	2	41	2	0	2	32	4	16	18
13	6	46	4	31	2	49	2	8	2	40	4	24	17
14	6	53	4	39	2	56	2	16	2	48	4	31	16
15	7	0	4	46	3	4	2	23	2	55	4	39	15
16	7	7	4	54	3	11	2	31	3	3	4	46	14
17	7	14	5	1	3	19	2	39	3	11	4	54	13
18	7	21	5	8	3	26	2	46	3	18	5	1	12
19	7	28	5	15	3	33	2	53	3	25	5	8	11
20	7	34	5	22	3	40	3	0	3	32	5	14	10
21	7	40	5	29	3	46	3	6	3	38	5	21	9
22	7	47	5	35	3	53	3	13	3	45	5	27	8
23	7	53	5	41	4	0	3	20	3	52	5	34	7
24	7	59	5	47	4	6	3	26	3	58	5	40	6
25	8	5	5	53	4	12	3	32	4	4	5	46	5
26	8	10	5	59	4	18	3	38	4	10	5	52	4
27	8	15	6	5	4	24	3	44	4	16	5	57	3
28	8	20	6	11	4	30	3	50	4	22	6	3	2
29	8	26	6	16	4	36	3	56	4	28	6	9	1
30	8	31	6	21	4	41	4	1	4	33	6	14	0
☉	O		XI		X		IX		VIII		VII		X

Subtrahe.

Ta.

## Tabula XI.

Phaſium Lunarium Theſaurus.

Addg.

☉	VI		VII		VIII		IX		X		XI	
☾	H	I	H	I	H	I	H	I	H	I	H	I
I	5	1	7	26	9	10	9	42	8	59	7	15
1	5	10	7	35	9	19	9	51	9	8	7	24
2	5	19	7	43	9	27	9	59	9	16	7	32
3	5	27	7	52	9	36	10	7	9	25	7	41
4	5	36	8	0	9	44	10	16	9	33	7	49
5	5	43	8	9	9	53	10	24	9	42	7	58
6	5	53	8	17	10	1	10	32	9	50	8	6
7	6	01	8	25	10	9	10	40	9	58	8	14
8	6	9	8	33	10	17	10	48	10	6	8	22
9	6	17	8	41	10	24	10	55	10	13	8	29
10	6	25	8	49	10	32	11	3	10	21	8	37
11	6	33	8	57	10	40	11	11	10	29	8	45
12	6	41	9	4	10	47	11	18	10	36	8	52
13	6	49	9	11	10	54	11	25	10	43	9	0
14	6	56	9	18	11	1	11	32	10	50	9	7
15	7	3	9	25	11	8	11	38	10	56	9	14
16	7	10	9	32	11	15	11	45	11	3	9	21
17	7	17	9	39	11	22	11	52	11	10	9	28
18	7	24	9	46	11	28	11	58	11	16	9	35
19	7	31	9	53	11	34	12	4	11	22	9	41
20	7	37	9	59	11	40	12	10	11	28	9	47
21	7	43	10	5	11	46	12	16	11	34	9	53
22	7	50	10	11	11	52	12	22	11	40	9	59
23	7	56	10	17	11	58	12	28	11	46	10	5
24	8	2	10	23	12	3	12	33	11	52	10	11
25	8	8	10	29	12	8	12	38	11	57	10	17
26	8	13	10	34	12	13	12	43	12	2	10	22
27	8	18	10	39	12	18	12	48	12	7	10	27
28	8	24	10	44	12	23	12	53	12	12	10	32
29	8	29	10	49	12	28	12	58	12	17	10	37
30	8	34	10	54	12	33	13	3	12	22	10	42
☉	VI	V	IV	III	II	I	X					

Addg. Sub.

D.

Ta.

## Tabula XI.

Phaſum Lunarium Theſaurus.

Subtrahere  
A002

☉	O		I		II		III		IV		V		
D	H	I	H	I	H	I	H	I	H	I	H	I	
11	8	21	6	21	4	41	4	1	4	33	6	14	30
1	8	36	6	26	4	46	4	6	4	38	6	19	29
2	8	41	6	31	4	51	4	11	4	43	6	24	28
3	8	46	6	36	4	56	4	16	4	48	6	28	27
4	8	50	6	41	5	1	4	21	4	53	6	33	26
5	8	54	6	45	5	6	4	26	4	58	6	38	25
6	8	58	6	49	5	10	4	31	5	2	6	42	24
7	9	2	6	53	5	14	4	35	5	6	6	46	23
8	9	6	6	57	5	18	4	39	5	10	6	50	22
9	9	9	7	1	5	22	4	43	5	14	6	53	21
10	9	12	7	4	5	26	4	47	5	18	6	57	20
11	9	15	7	7	5	30	4	51	5	22	7	1	19
12	9	18	7	10	5	33	4	54	5	26	7	4	18
13	9	21	7	13	5	36	4	57	5	29	7	7	17
14	9	24	7	16	5	39	5	1	5	32	7	10	16
15	9	26	7	19	5	42	5	3	5	35	7	12	15
16	9	28	7	22	5	45	5	6	5	38	7	15	14
17	9	30	7	24	5	48	5	9	5	41	7	18	13
18	9	32	7	26	5	50	5	11	5	43	7	20	12
19	9	34	7	28	5	52	5	13	5	45	7	22	11
20	9	36	7	30	5	54	5	15	5	47	7	24	10
21	9	37	7	32	5	55	5	17	5	48	7	25	9
22	9	38	7	33	5	57	5	19	5	50	7	27	8
23	9	39	7	34	5	59	5	21	5	52	7	29	7
24	9	40	7	35	6	0	5	23	5	53	7	30	6
25	9	40	7	36	6	1	5	24	5	54	7	31	5
26	9	40	7	37	6	2	5	25	5	55	7	31	4
27	9	40	7	37	6	2	5	25	5	56	7	32	3
28	9	40	7	38	6	3	5	26	5	56	7	32	2
29	9	40	7	38	6	4	5	27	5	57	7	32	1
30	9	40	7	38	6	4	5	27	5	57	7	32	0
☉	O		XI		X		IX		VIII		VII		IX

Subtrahere.

Ta.

## Tabula XI.

Phasum Lunarium Theſaurus;  
Adde.

☉	VI			VII			VIII			IX			X			XI			
D	H	I		H	I		H	I		H	I		H	I		H	I		
11	8	34		10	54		12	33		13	3		12	22		10	42		30
1	8	39		10	59		12	37		13	7		12	26		10	47		29
2	8	43		11	3		12	41		13	11		12	30		10	51		28
3	8	48		11	7		12	45		13	15		12	34		10	55		27
4	8	52		11	11		12	49		13	19		12	38		10	59		26
5	8	57		11	15		12	53		13	23		12	42		11	3		25
6	9	1		11	19		12	57		13	27		13	46		11	7		24
7	9	5		11	23		13	0		13	30		12	49		11	11		23
8	9	8		11	26		13	3		13	33		12	52		11	14		22
9	9	11		11	29		13	6		13	36		12	55		11	17		21
10	9	14		11	32		13	9		13	39		12	58		11	20		20
11	9	19		11	35		13	12		13	42		13	1		11	23		19
12	9	22		11	38		13	15		13	44		13	4		11	26		18
13	9	25		11	41		13	17		13	46		13	6		11	29		17
14	9	27		11	43		13	19		13	48		13	8		11	31		16
15	9	29		11	45		13	21		13	50		13	10		11	33		15
16	9	32		11	47		13	23		13	52		13	12		11	35		14
17	9	34		11	49		13	25		13	54		13	14		11	37		13
18	9	36		11	51		13	27		13	55		13	16		11	39		12
19	9	38		11	52		13	28		13	56		13	17		11	40		11
20	9	39		11	53		13	29		13	57		13	18		11	41		10
21	9	40		11	54		13	30		13	58		13	19		11	42		9
22	9	42		11	55		13	30		13	59		13	20		11	43		8
23	9	43		11	56		13	31		14	0		13	21		11	44		7
24	9	44		11	57		13	31		14	0		13	21		11	45		6
25	9	44		11	57		13	31		14	0		13	21		11	45		5
26	9	44		11	57		13	30		13	59		13	20		11	45		4
27	9	44		11	56		13	30		13	59		13	20		11	45		3
28	9	44		11	56		13	29		13	58		13	19		11	44		2
29	9	44		11	55		13	29		13	57		13	19		11	44		1
30	9	44		11	55		13	28		13	56		13	18		11	44		0
☉	VI			V			IV			III			II			I			IX

Adde Sub.

Ta-

## Tabula XI.

Phasum Lunarium Thesaurus?

Adde.

☉	O			I			II			III			IV			V		
D	H	I	H	I	H	I	H	I	H	I	H	I	H	I	H	I	H	I
III	9	40	7	38	6	4	5	27	5	57	7	32	30					
1	9	40	7	38	6	4	5	27	5	57	7	32	29					
2	9	39	7	37	6	4	5	27	5	57	7	31	28					
3	9	39	7	37	6	3	5	27	5	57	7	31	27					
4	9	38	7	36	6	3	5	26	5	56	7	30	26					
5	9	37	7	35	6	2	5	26	5	56	7	29	25					
6	9	36	7	34	6	1	5	25	5	55	7	28	24					
7	9	34	7	33	6	0	5	24	5	54	7	27	23					
8	9	32	7	31	5	59	5	23	5	52	7	25	22					
9	9	30	7	29	5	57	5	21	5	51	7	24	21					
10	9	28	7	28	5	56	5	20	5	49	7	22	20					
11	9	26	7	26	5	55	5	19	5	48	7	21	19					
12	9	24	7	24	5	53	5	17	5	46	7	19	18					
13	9	22	7	22	5	51	5	15	5	44	7	17	17					
14	9	19	7	19	5	48	5	12	5	41	7	14	16					
15	9	16	7	17	5	46	5	10	5	39	7	11	15					
16	9	13	7	14	5	43	5	7	5	36	7	9	14					
17	9	10	7	12	5	41	5	5	5	34	7	6	13					
18	9	7	7	9	5	38	5	2	5	31	7	3	12					
19	9	4	7	6	5	35	4	59	5	28	7	0	11					
20	9	0	7	2	5	31	4	56	5	24	6	56	10					
21	8	56	6	58	5	28	4	52	5	21	6	52	9					
22	8	52	6	55	5	24	4	49	5	17	6	49	8					
23	8	48	6	51	5	21	4	46	5	14	6	45	7					
24	8	44	6	47	5	17	4	42	5	10	6	41	6					
25	8	40	6	43	5	13	4	38	5	6	6	37	5					
26	8	35	6	38	5	8	4	34	5	2	6	32	4					
27	8	30	6	33	5	4	4	29	4	57	6	27	3					
28	8	25	6	29	4	59	4	25	4	53	6	23	2					
29	8	20	6	24	4	55	4	21	4	49	6	18	1					
30	8	15	6	19	4	50	4	16	4	44	6	13	0					
☼	O		XI		X		IX		VIII		VII		viii					

Subtrahe,

| D

Ta-



## Tabula XI.

Phaſum Lunarium Theſaurus.  
Adde.

☉	VI		VII		VIII		IX		X		XI		
D	H	I	H	I	H	I	H	I	H	I	H	I	
III	9	44	II	55	13	28	13	56	13	18	II	44	30
1	9	43	II	54	13	27	13	55	13	17	II	43	29
2	9	42	II	53	13	26	13	54	13	16	II	42	28
3	9	41	II	52	13	25	13	53	13	15	II	41	27
4	9	40	II	51	13	24	13	52	13	14	II	40	26
5	9	39	II	50	13	23	13	51	13	13	II	39	25
6	9	37	II	49	13	21	13	49	13	11	II	38	24
7	9	36	II	47	13	19	13	47	13	9	II	36	23
8	9	34	II	45	13	17	13	44	13	7	II	34	22
9	9	33	II	43	13	14	13	42	13	4	II	32	21
10	9	31	II	41	13	12	13	39	13	2	II	30	20
11	9	30	II	39	13	10	13	37	13	0	II	28	19
12	9	28	II	36	13	7	13	34	12	57	II	25	18
13	9	26	II	33	13	4	13	31	12	54	II	22	17
14	9	23	II	30	13	1	13	28	12	51	II	19	16
15	9	20	II	27	12	57	13	24	12	47	II	16	15
16	9	17	II	24	12	54	13	21	12	44	II	13	14
17	9	14	II	21	12	51	13	18	12	41	II	10	13
18	9	11	II	17	12	47	13	14	12	37	II	6	12
19	9	7	II	13	12	43	13	10	12	33	II	2	11
20	9	3	II	9	12	39	13	6	12	29	IO	58	10
21	8	59	II	5	12	34	13	1	12	25	IO	54	9
22	8	55	II	1	12	30	12	57	12	21	IO	50	8
23	8	51	IO	57	12	26	12	53	12	17	IO	46	7
24	8	47	IO	52	12	21	12	48	12	12	IO	41	6
25	8	43	IO	47	12	16	12	43	12	7	IO	36	5
26	8	38	IO	42	12	11	12	38	12	2	IO	31	4
27	8	33	IO	37	12	6	12	32	II	56	IO	26	3
28	8	28	IO	32	12	1	12	27	II	51	IO	21	2
29	8	23	IO	27	II	56	12	22	II	46	IO	16	1
30	8	18	IO	21	II	50	12	16	II	40	IO	11	0
☉	VI		V		IV		III		II		I		VIII
Subtrahere													D

F f

Ta-

## Tabula XI.

Phasium Lunarium Theſaurus.  
Adde.

☉	O		I		II		III		IV		V		
D	H	I	H	I	H	I	H	I	H	I	H	I	
IV	8	15	6	19	4	50	4	16	4	44	6	13	30
1	8	10	6	14	4	45	4	11	4	39	6	8	29
2	8	5	6	8	4	40	4	6	4	34	6	2	28
3	7	59	6	3	4	34	4	0	4	28	5	57	27
4	7	53	5	57	4	29	3	55	4	23	5	51	26
5	7	47	5	52	4	24	3	50	4	18	5	46	25
6	7	41	5	46	4	18	3	44	4	12	5	40	24
7	7	35	5	40	4	12	3	38	4	6	5	34	23
8	7	29	5	34	4	6	3	32	4	0	5	28	22
9	7	23	5	28	4	0	3	26	3	54	5	22	21
10	7	17	5	22	3	54	3	20	3	48	5	16	20
11	7	10	5	16	3	48	3	14	3	42	5	8	19
12	7	3	5	9	3	42	3	8	3	35	5	3	18
13	6	56	5	2	3	36	3	2	3	29	4	56	17
14	6	49	4	55	3	29	2	55	3	22	4	49	16
15	6	42	4	48	3	22	2	48	3	15	4	42	15
16	6	35	4	41	3	15	2	41	3	8	4	35	14
17	6	28	4	34	3	8	2	34	3	1	4	28	13
18	6	20	4	27	3	1	2	27	2	54	4	20	12
19	6	13	4	20	2	54	2	20	2	47	4	13	11
20	6	5	4	12	2	46	2	12	2	39	4	5	10
21	5	57	4	4	2	38	2	5	2	31	3	57	9
22	5	49	3	57	2	31	1	57	2	24	3	50	8
23	5	41	3	49	2	23	1	50	2	16	3	42	7
24	5	33	3	41	2	15	1	42	2	8	3	34	6
25	5	25	3	33	2	7	1	34	2	0	3	26	5
26	5	17	3	25	1	59	1	26	1	52	3	18	4
27	5	9	3	16	1	51	1	18	1	44	3	10	3
28	5	0	3	8	1	43	1	10	1	36	3	2	2
29	4	51	3	0	1	35	1	2	1	28	2	54	1
30	4	42	2	51	1	26	0	53	1	19	2	45	0
☉	O		XI		X		IX		VIII		VII		VI

Subtrahe.

| D

Ta.

## Tabula XI.

Phasium Lunarium Thesaurus.  
Adde.

☉	VI		VII		VIII		IX		X		XI	
D	H	I	H	I	H	I	H	I	H	I	H	I
IV	8	18	10	21	11	50	12	16	11	40	10	11
1	8	13	10	16	11	44	12	10	11	34	10	6
2	8	7	10	10	11	38	12	4	11	28	10	0
3	8	1	10	4	11	32	11	58	11	22	9	54
4	7	56	9	59	11	26	11	52	11	16	9	48
5	7	50	9	53	11	20	11	46	11	10	9	42
6	7	44	9	47	11	14	11	40	11	4	9	36
7	7	38	9	41	11	8	11	34	10	58	9	30
8	7	31	9	34	11	1	11	27	10	51	9	23
9	7	25	9	27	10	54	11	20	10	44	9	17
10	7	18	9	21	10	47	11	13	10	38	9	10
11	7	12	9	14	10	40	11	6	10	31	9	4
12	7	5	9	7	10	33	10	59	10	24	8	57
13	6	58	9	0	10	26	10	52	10	17	8	50
14	6	51	8	52	10	18	10	44	10	9	8	42
15	6	44	8	45	10	11	10	37	10	2	8	35
16	6	37	8	37	10	3	10	29	9	54	8	27
17	6	30	8	30	9	56	10	22	9	47	8	20
18	6	22	8	22	9	48	10	14	9	39	8	12
19	6	15	8	14	9	40	10	6	9	31	8	5
20	6	7	8	6	9	32	9	58	9	23	7	57
21	5	59	7	58	9	24	9	50	9	15	7	49
22	5	51	7	50	9	16	9	42	9	7	7	41
23	5	43	7	42	9	8	9	34	8	59	7	33
24	5	35	7	34	8	59	9	25	8	50	7	25
25	5	27	7	26	8	51	9	17	8	42	7	17
26	5	18	7	17	8	42	9	8	8	34	7	8
27	5	10	7	8	8	33	8	59	8	25	7	0
28	5	1	7	0	8	25	8	51	8	16	6	51
29	4	53	6	51	8	16	8	42	8	8	6	43
30	4	44	6	42	8	7	8	33	7	59	6	34
☉	VI		V		IV		III		II		I	vii
Subtrahe.												D

## Tabula XI.

Phaſſum Lunarium Theſaurus;  
Adde.

☉	O		I		II		III		V		V	
D	H	I	H	I	H	I	H	I	H	I	H	I
V	4	42	2	51	1	26	0	53	1	19	2	45
1	4	34	2	43	1	18	0	45	1	11	2	37
2	4	25	2	34	1	9	0	36	1	2	2	28
3	4	16	2	25	1	0	0	27	0	53	2	19
4	4	7	2	17	0	52	0	19	0	45	2	10
5	3	58	2	8	0	43	0	10	0	36	2	1
6	3	49	1	59	0	34	0	1	0	27	1	52
7	3	40	1	50	0	25	0	S	8	18	1	43
8	3	31	1	41	0	16	0	17	0	9	1	34
9	3	22	1	32	0	S	7	26	0	S	1	25
10	3	13	1	23	0	2	0	35	0	9	1	16
11	3	4	1	14	0	11	0	44	0	18	1	7
12	2	54	1	4	0	20	0	53	0	27	0	57
13	2	45	0	55	0	29	1	2	0	36	0	48
14	2	35	0	45	0	38	1	12	0	46	0	38
15	2	26	0	36	0	48	1	21	0	55	0	29
16	2	16	0	26	0	57	1	31	1	5	0	19
17	2	7	0	17	1	6	1	40	1	14	0	10
18	1	57	0	S	7	16	1	50	1	24	0	S
19	1	48	0	2	1	25	1	59	1	33	0	9
20	1	38	0	12	1	35	2	9	1	43	0	19
21	1	28	0	22	1	45	2	19	1	53	0	29
22	1	19	0	31	1	54	2	28	2	2	0	38
23	1	9	0	41	2	4	2	38	2	12	0	48
24	0	59	0	51	2	14	2	48	2	22	0	58
25	0	49	1	0	2	23	2	57	2	31	1	7
26	0	39	1	10	2	33	3	7	2	41	1	17
27	0	30	1	20	2	43	3	17	2	51	1	27
28	0	20	1	29	2	53	3	26	3	0	1	37
29	0	S	10	39	3	3	3	36	3	10	1	47
30	0	0	1	49	3	13	3	46	3	20	1	57
☉	O		XI		X		IX		VIII		VII	VI

Adde.

Ta

## Tabula XI.

Phaſum Lunarium Theſaurus:  
Adde.

☉	VII		VII		VIII		IX		X		XI		
D	H	I	H	I	H	I	H	I	H	I	H	I	
V	4	44	6	42	8	7	8	33	7	59	6	34	30
1	4	36	6	34	7	58	8	24	7	50	6	25	29
2	4	27	6	25	7	49	8	15	7	41	6	16	28
3	4	18	6	16	7	40	8	6	7	32	6	7	27
4	4	9	6	7	7	31	7	57	7	23	5	58	26
5	4	0	5	58	7	22	7	48	7	14	5	49	25
6	3	51	5	49	7	13	7	38	7	5	5	40	24
7	3	42	5	40	7	4	7	29	6	56	5	31	23
8	3	33	5	31	6	55	7	20	6	47	5	22	22
9	3	23	5	21	6	45	7	10	6	37	5	12	21
10	3	14	5	12	6	36	7	1	6	28	5	3	20
11	3	5	5	3	6	27	6	52	6	19	4	54	19
12	2	55	4	53	6	17	6	42	6	9	4	44	18
13	2	46	4	44	6	8	6	33	6	0	4	35	17
14	2	36	4	34	5	58	6	23	5	50	4	25	16
15	2	27	4	24	5	48	6	13	5	40	4	16	15
16	2	17	4	15	5	39	6	4	5	31	4	6	14
17	2	8	4	5	5	29	5	54	5	21	3	57	13
18	1	58	3	55	5	19	5	44	5	11	3	47	12
19	1	49	3	46	5	10	5	35	5	2	3	38	11
20	1	39	3	36	5	0	5	25	4	52	3	28	10
21	1	29	3	26	4	50	5	15	4	42	3	18	9
22	1	19	3	16	4	40	5	5	4	32	3	8	8
23	1	9	3	6	4	30	4	55	4	22	2	58	7
24	0	59	2	56	4	20	4	45	4	12	2	48	6
25	0	50	2	47	4	10	4	36	4	3	2	39	5
26	0	40	2	37	4	0	4	26	3	53	2	29	4
27	0	30	2	27	3	50	4	16	3	43	2	19	3
28	0	20	2	17	3	40	4	6	3	33	2	9	2
29	0	10	2	7	3	30	3	56	3	23	1	59	1
30	0	0	1	57	3	20	3	46	3	13	1	49	0
☉	VI		V		IV		III		II		I		VI

Subtrahe

Ta-

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

O

An. ☉ vel ☽	Motus Horarius ☉		Semi- diameter. ☉		Motus Horarius ☽					
					Ad Excentricitatem					
					Min.		Med.		Max.	
	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>
0	2	23	15	50	30	51	30	11	29	30
1	2	23	15	50	30	51	30	11	29	30
2	2	23	15	50	30	51	30	11	29	30
3	2	23	15	50	30	51	30	11	29	30
4	2	23	15	50	30	51	30	11	29	31
5	2	23	15	50	30	51	30	11	29	31
6	2	23	15	50	30	52	30	12	29	31
7	2	23	15	50	30	52	30	12	29	31
8	2	23	15	50	30	53	30	12	29	31
9	2	23	15	50	30	53	30	13	29	32
10	2	23	15	50	30	54	30	13	29	32
11	2	23	15	50	30	54	30	13	29	32
12	2	23	15	50	30	55	30	14	29	33
13	2	23	15	50	30	55	30	14	29	34
14	2	23	15	50	30	56	30	15	29	35
15	2	23	15	50	30	57	30	16	29	36
16	2	23	15	50	30	57	30	17	29	37
17	2	23	15	50	30	58	30	18	29	38
18	2	23	15	50	30	59	30	19	29	39
19	2	23	15	50	30	59	30	20	29	40
20	2	23	15	50	31	0	30	21	29	42
21	2	23	15	50	31	1	30	22	29	43
22	2	23	15	50	31	1	30	23	29	44
23	2	23	15	50	31	2	30	24	29	46
24	2	23	15	51	31	3	30	25	29	47
25	2	23	15	51	31	4	30	26	29	49
26	2	23	15	51	31	5	30	27	29	50
27	2	23	15	51	31	6	30	29	29	52
28	2	23	15	51	31	7	30	30	29	54
29	2	23	15	51	31	9	30	32	29	55
30	2	23	15	51	31	10	30	34	29	57

XI

Ta-

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

O

An. ☉ vel ☽	Parallaxis ☽ Hor.						Semidiameter ☽					
	Ad Excentricitatem.						Ad Excentricitatem.					
	Min.		Med.		Max.		Min.		Med.		Max.	
	l	ll	l	ll	l	ll	l	ll	l	ll	l	ll
0	55	35	54	59	54	23	15	4	14	55	14	45
1	55	35	54	59	54	23	15	4	14	55	14	45
2	55	35	54	59	54	23	15	4	14	55	14	45
3	55	35	54	59	54	23	15	4	14	55	14	45
4	55	35	54	59	54	23	15	4	14	55	14	45
5	55	35	54	59	54	23	15	4	14	55	14	45
6	55	35	54	59	54	23	15	5	14	55	14	45
7	55	35	55	0	54	24	15	5	14	55	14	45
8	55	36	55	0	54	24	15	5	14	55	14	45
9	55	36	55	1	54	25	15	5	14	55	14	45
10	55	37	55	1	54	25	15	5	14	55	14	45
11	55	37	55	2	54	26	15	5	14	56	14	46
12	55	38	55	2	54	26	15	5	14	56	14	46
13	55	38	55	3	54	27	15	5	14	56	14	46
14	55	39	55	3	54	27	15	5	14	56	14	46
15	55	40	55	4	54	28	15	5	14	56	14	46
16	55	41	55	5	54	29	15	5	14	56	14	46
17	55	42	55	6	54	30	15	6	14	57	14	47
18	55	43	55	7	54	31	15	6	14	57	14	47
19	55	43	55	8	54	32	15	6	14	57	14	47
20	55	44	55	9	54	33	15	6	14	57	14	47
21	55	45	55	10	54	35	15	7	14	58	14	48
22	55	46	55	11	54	36	15	7	14	58	14	48
23	55	47	55	12	54	37	15	7	14	58	14	48
24	55	48	55	13	54	38	15	8	14	59	14	49
25	55	49	55	14	54	39	15	8	14	59	14	49
26	55	50	55	15	54	41	15	8	14	59	14	49
27	55	51	55	16	54	42	15	9	15	0	14	50
28	55	52	55	18	54	43	15	9	15	0	14	51
29	55	53	55	19	54	45	15	9	15	0	14	51
30	55	54	55	21	54	47	15	10	15	1	14	52

X I

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

## I

An. ☉ vel ☽	Motus Horarius ☉		Semi- diameter. ☉		Motus Horarius ☽							
					Ad Excentricitatem.							
					Min.		Med.		Max.			
	l	ll	l	ll	l	ll	l	ll				
0	2	23	15	52	31	10	30	34	29	57	30	
1	2	23	15	52	31	11	30	36	29	59	29	
2	2	23	15	52	31	12	30	37	30	1	28	
3	2	23	15	52	31	14	30	39	30	3	27	
4	2	23	15	52	31	15	30	41	30	5	26	
5	2	23	15	52	31	17	30	42	30	7	25	
6	2	24	15	53	31	19	30	44	30	9	24	
7	2	24	15	53	31	21	30	46	30	11	23	
8	2	24	15	53	31	22	30	48	30	13	22	
9	2	24	15	53	31	24	30	50	30	15	21	
10	2	24	15	53	31	26	30	52	30	18	20	
11	2	24	15	53	31	27	30	54	30	20	19	
12	2	24	15	54	31	29	30	56	30	22	18	
13	2	24	15	54	31	31	30	58	30	24	17	
14	2	24	15	54	31	33	31	0	30	27	16	
15	2	24	15	54	31	34	31	2	30	29	15	
16	2	24	15	54	31	36	31	5	30	32	14	
17	2	24	15	54	31	38	31	7	30	34	13	
18	2	24	15	55	31	40	31	9	30	37	12	
19	2	24	15	55	31	42	31	11	30	40	11	
20	2	24	15	55	31	44	31	14	30	43	10	
21	2	24	15	55	31	46	31	16	30	46	9	
22	2	24	15	55	31	48	31	19	30	49	8	
23	2	24	15	55	31	50	31	21	30	52	7	
24	2	25	15	56	31	52	31	24	30	55	6	
25	2	25	15	56	31	54	31	27	30	58	5	
26	2	25	15	56	31	57	31	30	31	2	4	
27	2	25	15	57	31	59	31	32	31	5	3	
28	2	25	15	57	32	1	31	35	31	8	2	
29	2	25	15	57	32	4	31	38	31	12	1	
30	2	25	15	57	32	6	31	41	31	15	0	

## X

Ta.



## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus; cum eorum  
Semidiametro, & Parallaxi horizontali.

## I

An. ☉ (vel.)	Parallaxis ☽ Hor.						Semidiameter ☽						
	Ad Excentricitatem.						Ad Excentricitatem.						
	Min.		Med.		Max.		Min.		Med.		Max.		
	l	ll	l	ll	l	ll	l	ll	l	ll	l	ll	
0	55	54	55	21	54	47	15	10	15	1	14	52	30
1	55	55	55	22	54	49	15	10	15	1	14	52	29
2	55	56	55	24	54	51	15	10	15	2	14	53	28
3	55	57	55	25	54	52	15	11	15	2	14	53	27
4	55	59	55	27	54	54	15	11	15	3	14	54	26
5	56	0	55	29	54	56	15	11	15	3	14	54	25
6	56	1	55	30	54	58	15	12	15	4	14	55	24
7	56	2	55	32	55	0	15	12	15	4	14	55	23
8	56	4	55	33	55	2	15	12	15	4	14	56	22
9	56	5	55	35	55	4	15	13	15	5	14	56	21
10	56	7	55	37	55	7	15	13	15	5	14	57	20
11	56	8	55	39	55	9	15	13	15	5	14	57	19
12	56	9	55	40	55	11	15	14	15	6	14	58	18
13	56	11	55	42	55	13	15	14	15	6	14	59	17
14	56	12	55	44	55	16	15	14	15	7	15	0	16
15	56	14	55	46	55	18	15	15	15	7	15	0	15
16	56	16	55	48	55	20	15	15	15	8	15	1	14
17	56	18	55	50	55	23	15	15	15	8	15	2	13
18	56	19	55	52	55	25	15	16	15	9	15	2	12
19	56	21	55	54	55	28	15	16	15	10	15	3	11
20	56	23	55	57	55	30	15	17	15	10	15	4	10
21	56	24	55	59	55	33	15	17	15	11	15	4	9
22	56	26	56	1	55	36	15	18	15	12	15	5	8
23	56	28	56	4	55	38	15	18	15	12	15	5	7
24	56	30	56	6	55	41	15	19	15	13	15	6	6
25	56	32	56	8	55	44	15	20	15	14	15	7	5
26	56	34	56	11	55	47	15	20	15	14	15	8	4
27	56	36	56	13	55	49	15	21	15	15	15	8	3
28	56	38	56	15	55	52	15	22	15	16	15	9	2
29	56	40	56	18	55	55	15	22	15	16	15	10	1
30	56	42	56	20	55	58	15	23	15	17	15	11	0

## X

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

## II

An. ☉ vel ☽	Motus Horarius ☉		Semi- diameter. ☉		Motus Horarius ☽							
					Ad Excentricitatem							
					Min.		Med.		Max.			
	l	ll	l	ll	l	ll	l	ll	l	ll		
0	2	25	15	58	32	6	31	41	31	15	30	
1	2	25	15	58	32	8	31	44	31	18	29	
2	2	25	15	58	32	11	31	47	31	22	28	
3	2	25	15	58	32	13	31	50	31	25	27	
4	2	25	15	58	32	15	31	53	31	29	26	
5	2	25	15	58	32	18	31	56	31	32	25	
6	2	26	15	59	32	21	31	59	31	36	24	
7	2	26	15	59	32	23	32	2	31	40	23	
8	2	26	15	59	32	26	32	5	31	44	22	
9	2	26	15	0	32	28	32	8	31	47	21	
10	2	26	15	0	32	30	32	12	31	51	20	
11	2	26	16	0	32	33	32	15	31	55	19	
12	2	26	16	1	32	36	32	18	31	59	18	
13	2	26	16	1	32	39	32	21	32	3	17	
14	2	26	16	1	32	42	32	25	32	7	16	
15	2	26	16	1	32	45	32	28	32	11	15	
16	2	26	16	1	32	48	32	32	32	16	14	
17	2	26	16	1	32	52	32	35	32	20	13	
18	2	27	16	2	32	54	32	39	32	24	12	
19	2	27	16	2	32	57	32	43	32	28	11	
20	2	27	16	2	33	0	32	46	32	33	10	
21	2	27	16	3	33	2	32	50	32	37	9	
22	2	27	16	3	33	5	32	54	32	41	8	
23	2	27	16	3	33	8	32	57	32	46	7	
24	2	27	16	4	33	11	33	1	32	50	6	
25	2	27	16	4	33	14	33	5	32	55	5	
26	2	27	16	4	33	17	33	9	32	59	4	
27	2	27	16	5	33	20	33	12	33	4	3	
28	2	27	16	5	33	23	33	16	33	9	2	
29	2	27	16	5	33	26	33	20	33	13	1	
30	2	28	16	6	33	29	33	24	33	18	0	

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

II

An. ☉ vel ☽	Parallaxis ☽ Hor.						Semidiameter ☽					
	Ad Excentricitatem.						Ad Excentricitatem.					
	Min.		Med.		Max.		Min.		Med.		Max.	
	<i>l</i>	<i>li</i>	<i>l</i>	<i>li</i>	<i>l</i>	<i>li</i>	<i>l</i>	<i>li</i>	<i>l</i>	<i>li</i>	<i>l</i>	<i>li</i>
0	56	42	56	20	55	58	15	23	15	17	15	11
1	56	44	56	23	56	1	15	24	15	18	15	12
2	56	47	56	25	56	4	15	25	15	18	15	13
3	56	49	56	28	56	7	15	25	15	19	15	13
4	56	52	56	31	56	11	15	26	15	20	15	14
5	56	54	56	33	56	14	15	26	15	20	15	15
6	56	56	56	36	56	17	15	27	15	21	15	16
7	56	58	56	39	56	20	15	27	15	22	15	17
8	57	1	56	41	56	24	15	28	15	23	15	18
9	57	3	56	44	56	27	15	28	15	23	15	18
10	57	6	56	47	56	30	15	29	15	24	15	19
11	57	8	56	49	56	34	15	29	15	24	15	20
12	57	10	56	52	56	37	15	30	15	25	15	21
13	57	12	56	55	56	41	15	31	15	26	15	22
14	57	15	56	58	56	44	15	32	15	27	15	23
15	57	17	57	1	56	48	15	32	15	28	15	24
16	57	20	57	5	56	52	15	33	15	29	15	25
17	57	22	57	8	56	55	15	33	15	30	15	26
18	57	25	57	11	56	59	15	34	15	31	15	27
19	57	27	57	14	57	3	15	35	15	32	15	28
20	57	20	57	18	57	7	15	35	15	33	15	29
21	57	32	57	21	57	10	15	36	15	34	15	30
22	57	35	57	24	57	14	15	37	15	34	15	32
23	57	37	57	28	57	18	15	37	15	35	15	33
24	57	39	57	31	57	22	15	38	15	36	15	34
25	57	41	57	34	57	26	15	39	15	37	15	35
26	57	44	57	37	57	30	15	39	15	38	15	36
27	57	46	57	40	57	33	15	40	15	38	15	37
28	57	49	57	44	57	37	15	41	15	39	15	38
29	57	51	57	47	57	41	15	41	15	40	15	39
30	57	54	57	50	57	45	15	42	15	41	15	40

I X

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

## III

An. ☉ vel ☽	Motus Horarius ☉		Semi- diameter. ☉		Motus Horarius ☽ Ad Excentricitatem.								
	l	ll	l	ll	Min.		Med.		Max.				
					l	ll	l	ll	l	ll			
0	2	28	16	6	33	29	33	24	33	18	30		
1	2	28	16	6	33	32	33	28	33	23	29		
2	2	28	16	6	33	35	33	32	33	28	28		
3	2	28	16	7	33	38	33	35	33	32	27		
4	2	28	16	7	33	41	33	39	33	37	26		
5	2	28	16	7	33	44	33	43	33	42	25		
6	2	28	16	8	33	47	33	47	33	47	24		
7	2	28	16	8	33	50	33	51	33	52	23		
8	2	28	16	8	33	54	33	55	33	56	22		
9	2	28	16	8	33	57	33	59	34	1	21		
10	2	28	16	8	34	0	34	3	34	6	20		
11	2	28	16	8	34	4	34	7	34	11	19		
12	2	29	16	9	34	7	34	11	34	15	18		
13	2	29	16	9	34	10	34	15	34	20	17		
14	2	29	16	9	34	13	34	19	34	24	16		
15	2	29	16	10	34	16	34	22	34	29	15		
16	2	29	16	10	34	20	34	26	34	34	14		
17	2	29	16	10	34	23	34	30	34	38	13		
18	2	29	16	11	34	26	34	34	34	43	12		
19	2	29	16	11	34	29	34	38	34	48	11		
20	2	29	16	11	34	32	34	42	34	53	10		
21	2	29	16	12	34	35	34	46	34	57	9		
22	2	29	16	12	34	39	35	50	35	2	8		
23	2	29	16	12	34	42	35	54	35	7	7		
24	2	30	16	13	34	45	35	58	35	12	6		
25	2	30	16	13	34	48	35	2	35	17	5		
26	2	30	16	13	34	51	35	6	35	22	4		
27	2	30	16	13	34	54	35	10	35	27	3		
28	2	30	16	13	34	57	35	14	35	32	2		
29	2	30	16	13	35	0	35	18	35	37	1		
30	2	30	16	14	35	3	35	22	35	42	0		

## VIII

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

I I I

An. ☉ vel ☽	Parallaxis ☽ Hor.						Semidiameter ☽					
	Ad Excentricitatem.						Ad Excentricitatem.					
	Min.		Med.		Max.		Min.		Med.		Max.	
	h	ll	l	ll	l	ll	h	ll	l	ll	l	ll
0	57	54	57	50	57	45	15	42	15	41	15	40
1	57	57	57	53	57	49	15	43	15	42	15	41
2	57	59	57	57	57	53	15	44	15	43	15	42
3	58	2	58	0	57	57	15	44	15	43	15	43
4	58	5	58	3	58	2	15	45	15	44	15	44
5	58	7	58	7	58	6	15	46	15	45	15	45
6	58	10	58	10	58	10	15	47	15	46	15	46
7	58	13	58	13	58	14	15	48	15	47	15	47
8	58	16	58	17	58	18	15	48	15	48	15	48
9	58	18	58	20	58	22	15	49	15	49	15	49
10	58	21	58	23	58	27	15	50	15	50	15	51
11	58	24	58	27	58	31	15	50	15	51	15	52
12	58	27	58	31	58	35	15	51	15	52	15	53
13	58	30	58	34	58	39	15	52	15	53	15	54
14	58	32	58	38	58	44	15	52	15	54	15	56
15	58	35	58	41	58	48	15	53	15	55	15	57
16	58	38	58	44	58	52	15	53	15	56	15	58
17	58	40	58	48	58	57	15	54	15	57	16	0
18	58	43	58	52	59	1	15	55	15	58	16	1
19	58	45	58	55	59	5	15	56	15	59	16	2
20	58	48	58	58	59	9	15	56	16	0	16	3
21	58	50	59	1	59	13	15	57	16	0	16	4
22	58	53	59	5	59	17	15	58	16	1	16	5
23	58	55	59	8	59	21	15	59	16	2	16	6
24	58	58	59	11	59	25	16	0	16	3	16	6
25	59	0	59	14	59	29	16	1	16	4	16	8
26	59	3	59	17	59	33	16	1	16	5	16	9
27	59	5	59	20	59	36	16	2	16	6	16	10
28	59	8	59	24	59	40	16	2	16	7	16	12
29	59	10	59	27	59	44	16	3	16	8	16	13
30	59	13	59	30	59	48	16	4	16	5	16	14

VIII

Ta-

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

## I V

An. ☉ vel ☽	Motus Horarius ☉		Semi- diameter. ☉		Motus Horarius ☽					
					Ad Excentricitatem.					
					Min.		Med.		Max.	
	l	ll	l	ll	l	ll	l	ll	l	ll
0	2	30	16	14	35	3	35	22	35	42
1	2	30	16	14	35	6	35	26	35	47
2	2	30	16	14	35	9	35	30	35	51
3	2	30	16	14	35	11	35	33	35	56
4	2	30	16	14	35	14	35	37	35	1
5	2	30	16	14	35	17	35	41	35	5
6	2	31	16	15	35	20	35	45	36	10
7	2	31	16	15	35	23	35	48	36	14
8	2	31	16	15	35	25	35	52	36	19
9	2	31	16	16	35	28	35	55	36	23
10	2	31	16	16	35	31	35	59	36	27
11	2	31	16	16	35	33	36	3	36	32
12	2	31	16	17	35	36	36	6	36	36
13	2	31	16	17	35	38	36	9	36	40
14	2	31	16	17	35	41	36	13	36	44
15	2	31	16	18	35	43	36	16	36	48
16	2	31	16	18	35	46	36	19	36	53
17	2	31	16	18	35	48	36	23	36	57
18	2	32	16	19	35	51	36	26	37	1
19	2	32	16	19	35	53	36	29	37	5
20	2	32	16	19	35	56	36	32	37	9
21	2	32	16	19	35	58	36	35	37	12
22	2	32	16	19	36	0	36	38	37	16
23	2	32	16	19	36	3	36	41	37	20
24	2	32	16	20	36	5	36	44	37	24
25	2	32	16	20	36	7	36	47	37	27
26	2	32	16	20	36	9	36	50	37	31
27	2	32	16	20	36	11	36	52	37	34
28	2	32	16	20	36	13	36	55	37	38
29	2	32	16	20	36	15	36	58	37	41
30	2	32	16	21	36	17	37	1	37	45

## Tabula XII.

Motus horarii veri ☉ & ☽ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

## IV

An. ☉ vel ☽	Parallaxis ☽ Hor.						Semidiameter ☽					
	Ad Excentricitatem.						Ad Excentricitatem.					
	Min.		Med.		Max.		Min.		Med.		Max.	
	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>	<i>l</i>	<i>ll</i>
0	59	13	59	30	59	48	16	4	16	9	16	14
1	59	15	59	33	59	52	16	5	16	10	16	15
2	59	18	59	37	59	56	16	5	16	11	16	16
3	59	20	59	40	60	0	16	6	16	11	16	17
4	59	23	59	43	60	4	16	7	16	12	16	18
5	59	25	59	47	60	8	16	7	16	13	16	19
6	59	28	59	50	60	12	16	8	16	14	16	20
7	59	30	59	53	60	16	16	9	16	15	16	21
8	59	33	59	56	60	20	16	9	16	16	16	22
9	59	35	59	59	60	23	16	10	16	16	16	23
10	59	38	60	3	60	27	16	11	16	17	16	24
11	59	40	60	6	60	31	16	11	16	18	16	25
12	59	43	60	9	60	35	16	12	16	19	16	26
13	59	45	60	12	60	38	16	13	16	20	16	27
14	59	47	60	15	60	42	16	13	16	21	16	28
15	59	49	60	17	60	45	16	14	16	21	16	29
16	59	52	60	20	60	49	16	15	16	22	16	30
17	59	54	60	23	60	52	16	15	16	23	16	31
18	59	56	60	26	60	56	16	16	16	24	16	32
19	59	58	60	28	60	59	16	16	16	25	16	33
20	60	0	60	31	61	2	16	17	16	25	16	34
21	60	1	60	33	61	5	16	17	16	26	16	34
22	60	3	60	35	61	8	16	18	16	27	16	35
23	60	5	60	38	61	11	16	18	16	27	16	36
24	60	7	60	40	61	14	16	19	16	28	16	37
25	60	8	60	42	61	17	16	19	16	28	16	38
26	60	10	60	44	61	19	16	19	16	29	16	38
27	60	11	60	46	61	22	16	20	16	29	16	39
28	60	13	60	49	61	25	16	20	16	30	16	40
29	60	14	60	51	61	27	16	20	16	30	16	40
30	60	16	60	53	61	30	16	21	16	31	16	41

## VII

## Tabula XII.

Motus horarii veri ☉ & ♀ in Eclipsibus; cum eorum  
Semidiametro, & Parallaxi horizontali.

V

An. ☉ vel ♀	Motus Horarius ☉		Semi- diameter. ☉		Motus Horarius ♀						
					Ad Excentricitatem.						
					Min.		Med.		Max.		
	l	ll	l	ll	l	ll	l	ll			
0	2	32	16	21	36	17	37	1	37	45	30
1	2	32	16	21	36	19	37	3	37	48	29
2	2	32	16	21	36	20	37	5	37	51	28
3	2	32	16	21	36	22	37	7	37	53	27
4	2	32	16	21	36	24	37	10	37	56	26
5	2	32	16	21	36	25	37	12	37	59	25
6	2	33	16	21	36	27	37	14	38	2	24
7	2	33	16	21	36	28	37	16	38	4	23
8	2	33	16	21	36	29	37	17	38	6	22
9	2	33	16	21	36	30	37	19	38	8	21
10	2	33	16	21	36	32	37	21	38	11	20
11	2	33	16	21	36	33	37	22	38	13	19
12	2	33	16	22	36	34	37	24	38	15	18
13	2	33	16	22	36	35	37	25	38	17	17
14	2	33	16	22	36	36	37	27	38	18	16
15	2	33	16	22	36	36	37	28	38	20	15
16	2	33	16	22	36	37	37	29	38	22	14
17	2	33	16	22	36	38	37	31	38	23	13
18	2	33	16	22	36	39	37	32	38	25	12
19	2	33	16	22	36	40	37	33	38	26	11
20	2	33	16	22	36	41	37	34	38	27	10
21	2	33	16	22	36	41	37	34	38	28	9
22	2	33	16	22	36	42	37	35	38	29	8
23	2	33	16	23	36	43	37	36	38	30	7
24	2	33	16	23	36	43	37	37	38	31	6
25	2	33	16	23	36	43	37	37	38	31	5
26	2	33	16	23	36	43	37	37	38	31	4
27	2	33	16	23	36	43	37	37	38	31	3
28	2	33	16	23	36	44	37	38	38	32	2
29	2	33	16	23	36	44	37	38	38	32	1
30	2	33	16	23	36	44	37	38	38	32	0

VI

Ta-



## Tabula XII.

Motus horarii veri ☉ & ☾ in Eclipsibus, cum eorum  
Semidiametro, & Parallaxi horizontali.

IV

An. ☉ vel ☾	Parallaxis ☾ Hor.						Semidiameter ☾						
	Ad Excentricitatem.						Ad Excentricitatem.						
	Min.		Med.		Max.		Min.		Med.		Max.		
	l	ll	l	ll	l	ll	l	ll	l	ll	l	ll	
0	60	16	60	53	61	30	16	21	16	31	16	41	30
1	60	17	60	55	61	32	16	21	16	31	16	42	29
2	60	19	60	57	61	35	16	21	16	32	16	42	28
3	60	20	60	58	61	37	16	22	16	32	16	43	27
4	60	21	61	0	61	39	16	22	16	33	16	44	26
5	60	23	61	2	61	42	16	22	16	33	16	44	25
6	60	24	61	4	61	44	16	23	16	34	16	45	24
7	60	25	61	5	61	46	16	23	16	34	16	45	23
8	60	26	61	7	61	48	16	24	16	34	16	46	22
9	60	27	61	8	61	49	16	24	16	35	16	46	21
10	60	28	61	9	61	51	16	24	16	35	16	47	20
11	60	29	61	11	61	53	16	25	16	35	16	47	19
12	60	30	61	12	61	55	16	25	16	36	16	48	18
13	60	30	61	13	61	56	16	25	16	36	16	48	17
14	60	31	61	15	61	57	16	25	16	36	16	48	16
15	60	32	61	16	61	58	16	25	16	37	16	49	15
16	60	33	61	17	61	59	16	25	16	37	16	49	14
17	60	34	61	18	62	1	16	25	16	37	16	49	13
18	60	35	61	19	62	3	16	26	16	38	16	50	12
19	60	35	61	20	62	4	16	26	16	38	16	50	11
20	60	36	61	20	62	5	16	26	16	38	16	50	10
21	60	36	61	21	62	6	16	26	16	38	16	50	9
22	60	37	61	22	62	7	16	26	16	38	16	50	8
23	60	37	61	22	62	8	16	26	16	38	16	50	7
24	60	38	61	23	62	8	16	27	16	39	16	51	6
25	60	38	61	23	62	8	16	27	16	39	16	51	5
26	60	38	61	23	62	8	16	27	16	39	16	51	4
27	60	39	61	24	62	9	16	27	16	39	16	51	3
28	60	39	61	24	62	9	16	27	16	39	16	51	2
29	60	39	61	24	62	9	16	27	16	40	16	51	1
30	60	39	61	25	62	10	16	27	16	40	16	52	0

VI

H h

Ta

## Tabula XIII.

Ascensionis rectæ ☉ Ad obliquitatem maximam  
gr. 23. 28. 24.

Gr. loci ☉	Y			♊	♋			♌	♍			♎	♏			♐	♑		
	Gr.	M.	S.	Gr.	Gr.	M.	S.	Gr.	Gr.	M.	S.	Gr.	Gr.	M.	S.	Gr.	Gr.	M.	S.
0	0	0	0	180	27	54	13	207	57	48	41	237	58	51	14	238	59	53	58
1	0	55	2	180	28	51	34	208	58	51	14	238	59	53	58	239	60	56	50
2	1	50	4	181	29	49	8	209	60	56	50	240	61	59	52	241	62	53	46
3	2	45	7	182	30	46	48	210	61	59	52	241	62	53	46	242	63	48	41
4	3	40	11	183	31	44	38	211	62	53	46	242	63	48	41	243	64	44	34
5	4	35	16	184	32	42	36	212	63	44	34	243	64	44	34	244	65	39	2
6	5	30	23	185	33	40	45	213	65	39	2	244	66	37	37	245	66	37	37
7	6	25	32	186	34	39	2	214	66	37	37	245	67	34	30	246	67	34	30
8	7	20	42	187	35	37	32	215	67	34	30	246	68	31	23	247	68	31	23
9	8	15	56	188	36	36	11	216	68	31	23	247	69	28	16	248	69	28	16
10	9	11	13	189	37	34	58	217	70	29	36	249	71	25	25	250	71	25	25
11	10	6	32	190	38	33	58	218	72	25	25	251	73	21	19	252	73	21	19
12	11	1	55	191	39	33	7	219	74	21	19	252	75	18	12	253	75	18	12
13	11	57	21	191	40	32	28	220	76	18	12	253	77	14	6	254	77	14	6
14	12	52	53	192	41	31	57	221	78	14	6	254	79	10	0	255	79	10	0
15	13	48	28	193	42	31	38	222	80	12	10	255	81	7	5	256	81	7	5
16	14	44	8	194	43	31	30	223	82	10	0	256	83	5	0	257	83	5	0
17	15	39	53	195	44	31	32	224	84	5	0	257	85	0	0	258	85	0	0
18	16	35	43	196	45	31	46	225	86	0	0	258	87	0	0	259	87	0	0
19	17	31	38	197	46	32	12	226	88	0	0	259	89	0	0	260	89	0	0
20	18	27	38	198	47	32	48	227	90	0	0	260	91	0	0	261	91	0	0
21	19	23	46	199	48	33	34	228	92	0	0	261	93	0	0	262	93	0	0
22	20	20	1	200	49	34	32	229	94	0	0	262	95	0	0	263	95	0	0
23	21	16	21	201	50	35	41	230	96	0	0	263	97	0	0	264	97	0	0
24	22	12	48	202	51	37	0	231	98	0	0	264	99	0	0	265	99	0	0
25	23	9	24	203	52	38	29	232	100	0	0	265	101	0	0	266	101	0	0
26	24	6	5	204	53	40	9	233	102	0	0	266	103	0	0	267	103	0	0
27	25	2	56	205	54	42	2	234	104	0	0	267	105	0	0	268	105	0	0
28	25	59	53	205	55	44	4	235	106	0	0	268	107	0	0	269	107	0	0
29	26	56	58	206	56	46	18	236	108	0	0	269	109	0	0	270	109	0	0
30	27	54	13	207	57	48	41	237	110	0	0	270	111	0	0	271	111	0	0

## Tabula XIII.

Ascensionis rectæ ☉ Ad obliquitatem maximam  
gr. 23. 28. 24.

Gr. loci ☉	Scrup. com.			♌	Scrup. com.			♍	Scrup. com.			♎
	G.	M.	S.		G.	M.	S.		G.	M.	S.	
0	90	0	0	270	122	11	19	302	152	5	47	332
1	91	5	25	271	123	13	42	303	153	3	2	333
2	92	10	49	272	124	15	56	304	154	0	7	334
3	93	16	13	273	125	17	58	305	154	57	4	334
4	94	21	35	274	126	19	51	306	155	53	55	335
5	95	26	55	275	127	21	31	307	156	50	36	336
6	96	32	13	276	128	23	0	308	157	47	12	337
7	97	37	29	277	129	24	19	309	158	43	39	338
8	98	42	41	278	130	25	28	310	159	39	59	339
9	99	47	50	279	131	26	26	311	160	36	14	340
10	100	52	55	280	132	27	12	312	161	32	22	341
11	101	57	55	281	133	27	48	313	162	28	22	342
12	103	2	52	283	134	28	14	314	163	24	17	343
13	104	7	42	284	135	28	28	315	164	20	7	344
14	105	12	26	285	136	28	30	316	165	15	52	345
15	106	17	5	286	137	28	22	317	166	11	32	346
16	107	21	39	287	138	28	3	318	167	7	7	347
17	108	26	4	288	139	27	32	319	168	2	39	348
18	109	30	24	289	140	26	53	320	168	58	5	348
19	110	34	35	290	141	26	2	321	169	53	28	349
20	111	38	41	291	142	25	2	322	170	48	47	350
21	112	42	36	292	143	23	49	323	171	44	4	351
22	113	46	23	293	144	22	28	324	172	39	18	352
23	114	50	2	294	145	20	58	325	173	34	28	353
24	115	53	33	295	146	19	15	326	174	29	37	354
25	116	56	54	296	147	17	24	327	175	24	44	355
26	118	0	8	298	148	15	22	328	176	19	49	356
27	119	3	10	299	149	13	12	329	177	14	53	357
28	120	6	2	300	150	10	52	330	178	9	56	358
29	121	8	46	301	151	8	26	331	179	4	58	359
30	122	11	19	302	152	5	47	332	180	0	0	360

H h 2

T a

## Tabula XIV.

Declinationis ☉ Ad obliquitatem maximam  
gr. 23. 28. 24.

Grad. ☉	S. ♊			Diffe- rentia.		S. ♋			Diffe- rentia.		S. ♌			Diffe- rentia.	
	G.	M.	S.	M.	S.	G.	M.	S.	M.	S.	G.	M.	S.	M.	S.
0	0	0	0			11	29	17			20	10	45	12	33
1	0	23	54	23	54	11	50	18	21	1	20	23	18	12	33
2	0	47	47	23	53	12	11	8	20	50	20	35	29	11	11
3	1	11	40	23	53	12	31	46	20	38	20	47	16	11	47
4	1	35	32	23	52	12	52	12	20	26	20	58	41	11	25
5	1	59	22	23	50	13	12	25	20	13	21	9	43	11	2
6	2	23	10	23	48	13	32	25	20	0	21	20	21	10	38
7	2	46	57	23	47	13	52	11	19	46	21	30	35	10	14
8	3	10	40	23	43	14	11	44	19	33	21	40	25	9	50
9	3	34	21	23	41	14	31	2	19	18	21	49	51	9	26
10	3	57	58	23	37	14	50	6	19	4	21	58	52	9	1
11	4	21	32	23	34	15	8	55	18	49	21	58	52	8	37
12	4	45	2	23	30	15	27	28	18	33	22	7	29	8	11
13	5	8	27	23	25	15	45	46	18	18	22	15	40	7	46
14	5	31	47	23	20	15	45	46	18	2	22	23	26	7	21
15	5	55	2	23	15	16	3	48	17	45	22	30	47	6	55
16	6	18	12	23	10	16	21	33	17	28	22	37	42	6	29
17	6	41	16	23	4	16	39	1	17	11	22	44	11	6	3
18	7	4	13	22	57	16	56	12	16	54	22	50	14	5	37
19	7	27	4	22	51	17	13	6	16	35	22	55	51	5	10
20	7	49	48	22	44	17	29	41	16	17	23	1	1	5	44
21	8	12	24	22	36	17	45	58	15	59	23	5	45	4	18
22	8	34	53	22	29	18	1	57	15	39	23	10	3	4	50
23	8	57	13	22	20	18	17	36	15	20	23	13	53	3	23
24	9	19	25	22	12	18	32	56	15	1	23	17	17	2	57
25	9	41	28	22	3	18	47	57	14	40	23	20	14	2	30
26	10	3	22	21	54	19	2	37	14	20	23	22	44	2	2
27	10	25	6	21	44	19	16	57	13	59	23	24	46	1	36
28	10	46	40	21	34	19	30	56	13	38	23	26	22	1	8
29	11	8	4	21	24	19	44	34	13	16	23	27	30	0	41
30	11	29	17	21	13	19	57	50	12	55	23	28	11	0	13
						20	10	45			23	28	24		0
	♌	♋				♍	♌				♎	♏			
	S.	M.				S.	M.				S.	M.			

## Tabula XV.

Anguli Eclipticæ, & Meridiani ad obliquitatem  
gr. 23. 28. 24.

Y				8				π				σ				Ω				η			
0	1	11		0	1	11		0	1	11		0	1	11		0	1	11		0	1	11	
0	66	31	36	69	23	23		77	44	58		90	0	0		102	15	2		110	26	27	30
1	66	31	48	69	34	58		78	6	40		90	26	3		102	36	26		110	47	51	29
2	66	32	21	69	46	57		78	28	37		90	52	6		102	57	34		110	58	41	28
3	66	33	20	69	59	18		78	50	49		91	18	7		103	18	25		111	9	10	27
4	66	34	39	70	12	2		79	13	18		91	44	6		103	38	57		111	19	16	26
5	66	36	23	70	25	6		79	36	2		92	10	3		103	59	12		111	28	58	25
6	66	38	29	70	38	32		79	59	0		92	35	56		104	19	9		111	38	21	24
7	66	40	58	70	52	21		80	22	11		93	1	46		104	38	47		111	47	19	23
8	66	43	51	71	6	32		80	45	37		93	27	32		104	58	6		111	55	53	22
9	66	47	5	71	21	4		81	9	15		93	53	11		105	17	6		112	4	7	21
10	66	50	43	71	35	59		81	33	7		94	18	45		105	35	48		112	11	55	20
11	66	54	43	71	51	14		81	57	10		94	44	12		105	54	7		112	19	23	19
12	66	59	5	72	6	52		82	21	25		95	9	33		106	12	9		112	26	30	18
13	67	3	55	72	22	49		82	45	51		95	34	46		106	29	51		112	33	13	17
14	67	9	2	72	39	8		83	10	28		95	59	50		106	47	12		112	39	27	16
15	67	14	38	72	55	47		83	35	14		96	24	46		107	4	13		112	45	22	15
16	67	20	33	73	12	48		84	0	10		96	49	32		107	20	52		112	50	58	14
17	67	26	47	73	30	9		84	25	14		97	14	9		107	37	11		112	56	5	13
18	67	33	30	73	47	51		84	50	27		97	38	35		107	53	8		113	0	55	12
19	67	40	37	74	5	53		85	15	48		98	2	50		108	8	46		113	5	17	11
20	67	48	5	74	24	12		85	41	15		98	26	53		108	24	1		113	9	17	10
21	67	55	53	74	42	54		86	6	49		98	50	45		108	38	56		113	12	55	9
22	68	4	7	75	1	54		86	32	28		99	14	23		108	53	28		113	16	9	8
23	68	12	41	75	21	13		86	58	14		99	37	49		109	7	39		113	19	2	7
24	68	21	39	75	40	51		87	24	4		100	1	0		109	21	28		113	21	31	6
25	68	31	1	76	0	48		87	49	57		100	23	58		109	34	54		113	23	37	5
26	68	40	44	76	21	3		88	15	54		100	46	42		109	47	58		113	25	21	4
27	68	50	50	76	41	35		88	41	53		101	9	11		110	0	42		113	26	40	3
28	69	1	19	77	2	26		89	7	54		101	31	23		110	13	3		113	27	39	2
29	69	12	9	77	23	34		89	33	57		101	53	20		110	25	2		113	28	12	1
30	69	23	23	77	44	58		90	0	0		102	15	2		110	36	37		113	28	24	0
	X			Y				X				Y				X				Y			

## Tabula XVI.

Anguli, quem verus ☽ a ☿ motus constituit  
in Sizigiis.

Arg. Latit.	Motus Horarius ☽ a ☿ verus.											
S. O.	27	28	29	30	31	32	33	34	35	36		
S. VI	0	1	0	1	0	1	0	1	0	1	0	1
Gr. 0	5 46	5 45	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	30	
1	5 46	5 45	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	29	
2	5 46	5 45	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	28	
3	5 46	5 45	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	27	
4	5 45	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	5 36	26	
5	5 45	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	5 36	25	
6	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	5 36	5 35	24	
7	5 44	5 43	5 42	5 41	5 40	5 39	5 38	5 37	5 36	5 35	23	
8	5 43	5 42	5 41	5 40	5 39	5 38	5 37	5 36	5 35	5 34	22	
9	5 42	5 41	5 40	5 39	5 38	5 37	5 36	5 35	5 34	5 33	21	
10	5 41	5 40	5 39	5 38	5 37	5 36	5 35	5 34	5 33	5 32	20	
11	5 40	5 39	5 38	5 37	5 36	5 35	5 34	5 33	5 32	5 31	19	
12	5 39	5 38	5 37	5 36	5 35	5 34	5 33	5 32	5 31	5 30	18	
13	5 38	5 37	5 36	5 35	5 34	5 33	5 32	5 31	5 30	5 29	17	
14	5 37	5 36	5 35	5 34	5 33	5 32	5 31	5 30	5 29	5 28	16	
15	5 36	5 35	5 34	5 33	5 32	5 31	5 30	5 29	5 28	5 27	15	
16	5 35	5 34	5 33	5 32	5 31	5 30	5 29	5 28	5 27	5 26	14	
Argumentum Latitudinis ☽												XI V

## Tabula XVII.

Fixarum.

## Catalogus Quinquaginta Fixarum insigniorum.

Nomina Fixarum.	Longitudo.				Latitudo.			Ascensio recta.		Increm. pro an. 60.	Declinatio.			Diff. pro annis 60		
	S	O	I	II	O	I	II	O	I		O	I	I			
Antares cor. ♀	8	5	33	53	4	31	35	A	242	46	55	25	43	A	9	ad
Spica ♀	6	19	40	3	2	1	49	A	197	22	47	9	35	A	19	ad
Canis minor	3	21	36	55	15	56	55	A	110	51	48	5	58	B	7	5.
Mandibula Cæti	1	10	6	53	12	37	10	A	41	39	46	2	52	B	15	ad
Regulus. cor Ω	4	25	39	3	0	25	40	B	148	4	49	13	23	B	17	5.
Arcturus	6	20	2	33	30	56	30	B	210	29	42	20	46	B	18	5.
Aquillæ lucida	9	27	31	53	29	18	30	B	294	1	44	8	7	B	8	ad
Aurigæ capella	2	17	34	33	22	52	0	B	73	32	66	45	37	B	5	ad
Andromedæ caput	0	10	3	53	25	42	15	B	358	11	45	27	26	B	19	ad
Cauda Cæti	11	28	21	13	20	47	50	A	7	8	44	19	40	A	20	5.
Cauda Cygni	11	1	25	3	59	55	20	B	307	57	25	44	17	B	14	ad
Hydræ cor	4	23	6	23	22	25	20	A	138	12	44	7	24	A	15	ad
Fidicula	9	11	8	3	61	45	50	B	276	43	30	38	33	B	3	ad
Orionis humerus	2	24	32	48	16	4	20	A	84	43	49	7	18	B	0	0
Orionis pes Rigel.	2	12	37	43	31	10	40	A	75	2	43	8	37	A	5	5.
Orionis cinguli 1.	2	18	9	43	23	36	0	A	79	10	46	0	34	A	2	5.
Orionis cing. media	2	19	3	43	24	32	50	A	80	4	45	1	28	A	3	5.
Orionis cing. ultima	2	20	24	33	25	20	10	A	81	21	45	2	9	A	2	5.
Ala Pegasi	11	19	17	3	19	24	58	B	342	22	49	13	39	B	16	ad
Ejusdem alæ extrema	0	4	57	13	12	36	30	B	359	26	46	13	30	B	21	ad
Pegasi os	10	27	41	33	22	6	50	B	322	22	43	8	31	B	16	ad
Persei lateris lucida	1	27	43	33	30	16	20	B	45	30	63	48	52	B	14	ad
Ophiuchi caput	8	18	15	23	35	54	50	B	260	17	40	12	20	B	28	ad
Sirius. Canis major	3	9	57	3	39	33	0	A	98	0	39	16	22	A	2	ad
Serpentis lucida.	7	17	51	3	25	34	0	B	232	25	41	7	1	B	14	ad

## Tabula XVII.

Fixarum.

## Catalogus Quinquaginta Fixarum insigniorum.

Nomina Fixarum.	Longitudo				Latitudo.			Ascensio recta.		Increm. pro an. 60.	Declinatio.			Diff. pro annis 60.	
	S	O	I	II	O	I	II	O	I		O	I	II		
Aldebaran	2	5	35	23	5	29	50	A	64	40	52	15	51	B	8 ad
Oculus ♀ Boreus	2	4	14	59	2	36	21	A	62	46	53	18	30	B	8 ad
π pes lucidus	3	4	54	33	6	46	55	A	95	6	52	16	36	B	2 5.
Caput Castoris	3	16	1	57	10	3	15	B	108	49	57	32	29	B	8 5.
Caput Pollucis	3	19	3	23	6	40	0	B	111	42	56	28	43	B	5 5.
Iuba Ω	4	25	23	3	8	49	5	B	150	50	49	21	21	B	17 5.
Tergum Ω	5	7	5	3	14	19	30	B	164	29	49	22	9	B	19 5.
Lucida caudæ Ω	5	17	27	3	12	16	40	B	173	25	47	16	15	B	20 5.
Vindemiatrix	6	5	46	33	16	13	20	B	191	50	44	12	35	B	20 5.
Cingulum η	6	7	18	13	8	38	15	B	190	7	46	5	2	B	20 5.
Lancis Austr. lucida	7	10	54	28	0	21	52	B	218	35	49	14	46	A	15 ad
Lancis Bor. lucida	7	15	10	53	8	31	50	B	225	14	49	8	14	A	14 ad
Frontis ♂ lucida	7	29	0	3	1	3	5	B	237	1	51	18	56	A	10 ad
Cuspis sagittæ	8	27	4	18	6	56	37	A	266	36	58	30	23	A	1 ad
♂ lucida frontis	9	29	51	43	4	37	20	B	301	3	49	15	41	A	10 5.
♂ in cornu lucida	9	29	35	3	7	1	5	B	300	14	51	13	24	A	10 5.
Scheat. Tibia lucida	11	4	41	33	8	11	6	A	339	41	47	17	26	A	20 5.
Phomaant. ♂ piscis	10	29	38	23	21	6	20	A	340	14	59	31	12	A	19 5.
♂ Humerus dexter	10	19	13	17	8	38	20	B	318	56	48	6	52	A	15 5.
♂ Humerus sinister	10	29	11	13	10	39	40	B	327	37	46	1	46	A	17 5.
♂ brachium Austr.	7	16	30	8	7	36	40	A	221	39	52	24	5	A	15 ad
Υ in cornu lucida	1	3	27	3	9	57	34	B	27	34	50	22	1	B	18 ad
Ursæ majoris, ♀ abbe	4	10	48	48	49	36	30	B	160	59	36	63	16	B	13 5.
Ejusd. extrema caud	5	22	38	23	54	23	30	B	203	50	36	50	51	B	18 5.
Polaris Stellæ	2	24	22	3	66	3	20	B	9	31	53	87	41	B	20 ad



**T A B U L Æ**  
**M E T A R I T H M I C Æ**  
**S I V E**  
**ASTRONOMIÆ QUOTIDIANÆ.**  
**CALCULO EXPEDITISSIMO;**  
**Pro Ephemeridibus motuum Cœlestium**  
**condendis accomodatæ.**

## Tabula I.

Mediorum ☉ & Planetarum motuum intervallo  
decem dierum.

*Hic motus semper additur Radici.*

Menses	Dies	Longitudo ☉ Media				Anomalia ☉ Media				Præces Acquin.	I 3	Anomalia ☉ Media			
		S	O	I	II	S	O	I	II			S	O	I	II
Januar.	11	0	9	51	23	0	9	51	22	2		0	0	20	5
	21	0	19	42	47	0	19	42	44	3		0	0	40	9
	31	0	29	34	10	0	29	34	6	4		0	1	0	14
Febr.	10	1	9	25	33	1	9	18	28	5		0	1	20	18
	20	1	19	16	56	1	19	16	49	7		0	1	40	23
Martii	2	1	29	8	19	1	29	8	11	8		0	2	0	27
	12	2	8	59	43	2	8	59	33	10		0	2	20	32
	22	2	18	51	6	2	18	50	55	11		0	2	40	36
Aprilis	1	2	28	42	30	2	28	42	18	12		0	3	0	41
	11	3	8	33	58	3	8	33	39	14		0	3	20	45
	21	3	18	25	17	3	18	25	2	15		0	3	40	50
Maii	1	3	28	16	40	3	28	16	23	17		0	4	0	54
	11	4	8	8	3	4	8	7	44	19		0	4	20	59
	21	4	17	59	27	4	17	59	7	20		0	4	41	3
	31	4	27	50	50	4	27	50	20	21		0	5	1	8
Iunii	10	5	7	42	13	5	7	41	50	22		0	5	21	13
	20	5	17	33	36	5	17	33	12	24		0	5	41	17
	30	5	27	25	0	5	27	24	35	25		0	6	1	22
Iulij	10	6	7	16	23	6	7	15	56	27		0	6	21	26
	20	6	17	7	46	6	17	7	18	28		0	6	41	31
	30	6	26	59	10	6	26	58	41	29		0	7	1	35

Anno Bissextili post F. bruarium demitur una dies.

## Tabula I.

Mediorum ☉ & Planetarum motuum intervallo  
decem dierum.

*Hic motus semper additur Radici.*

Menses	Dies	Anomalia ☿ Media.				Anomalia ♂ Media.				Anomalia ♀ Media.				Anomalia ♂ Media.			
		S	o	l	ll	S	o	l	ll	S	o	l	ll	S	o	l	ll
Januarii	11	0	0	49	51	0	5	14	25	0	16	1	17	1	10	55	24
	21	0	1	39	43	0	10	28	50	1	2	2	33	2	21	50	48
	31	0	2	29	34	0	15	43	16	1	18	3	50	4	2	46	12
Febr.	10	0	3	19	25	0	20	57	41	2	4	5	7	5	13	41	36
	20	0	4	9	16	0	26	12	6	2	20	6	23	6	24	37	0
Martii	2	0	14	59	8	1	1	26	30	3	6	7	40	8	5	32	24
	12	0	5	48	59	1	6	40	56	3	22	8	57	9	16	27	48
	22	0	6	38	50	1	11	55	21	4	8	10	13	10	27	23	12
Aprilis	1	0	7	28	42	1	17	9	47	4	24	11	30	0	8	18	36
	11	0	8	18	33	1	22	24	12	5	10	12	47	1	19	14	0
	21	0	9	8	24	1	27	38	37	5	26	14	3	3	0	9	24
Maii	1	0	9	58	16	2	2	53	3	6	12	15	20	4	11	4	48
	11	0	10	48	7	2	8	7	28	6	28	16	37	5	22	0	12
	21	0	11	37	58	2	13	21	53	7	14	17	53	7	2	55	36
Junii	31	0	12	27	50	2	18	36	19	8	0	19	10	8	13	51	1
	10	0	13	17	41	2	23	50	44	8	16	20	27	9	24	46	25
	20	0	14	7	32	2	29	5	9	9	2	21	43	11	5	41	49
Iulii	30	0	14	57	24	3	4	19	35	9	18	22	59	0	16	37	13
	10	0	15	47	15	3	9	34	0	10	4	24	15	1	27	32	37
	20	0	16	37	6	3	14	48	25	10	20	25	32	3	8	28	1
	30	0	17	26	58	3	20	2	51	11	6	26	49	4	19	23	25

*Anno Bifextili post Februarium demitur una dies.*

# Tabula I.

Mediorum ☼ & Planetarum motuum intervallo  
decem dierum.

*Hic motus semper additur Radici:*

Menses	Dies	Longitudo ☼ Media.				Anomalia ☼ Media.				Præces Acquin.		Anomalia ☿ Media.			
		s	o	l	ll	s	o	l	ll			ll	o	i	ll
Augusti	9	7	6	50	33	7	6	50	3	30		0	7	21	40
	19	7	16	41	56	7	16	41	24	32		0	7	41	44
	29	7	26	33	19	7	26	32	46	33		0	8	1	49
Septem.	8	8	6	24	42	8	6	24	8	34		0	8	21	53
	18	8	16	16	6	8	16	15	31	36		0	8	41	58
	28	8	26	7	29	8	26	6	52	37		0	9	2	2
Octobr.	8	9	5	58	52	9	5	58	13	39		0	9	22	7
	18	9	15	50	16	9	15	49	36	40		0	9	42	11
	28	9	25	41	39	9	25	40	57	41		0	10	2	16
Novem.	7	10	5	33	2	10	5	32	19	43		0	10	22	20
	17	10	15	24	25	10	15	23	41	44		0	10	42	25
	27	10	25	15	49	10	25	15	3	45		0	11	2	30
Decem.	7	11	5	7	12	11	5	6	25	47		0	11	22	34
	17	11	14	58	35	11	14	57	47	48		0	11	42	39
	27	11	24	49	58	11	24	49	9	49		0	12	2	44

Progressus dierum 5. Anno Communi, vel 6. Anno Bissextili respondens Radici proxime sequentis Anni.															
Anno															
Com.	5	0	4	55	42	0	4	55	41	I		0	0	10	2
Bis.	6	0	5	54	49	0	5	54	48	I		0	0	12	3

*Anno Bissextili post Februarium demitur una dies.*

## Tabula I.

Mediorum ☉ & Planetarum motuum intervallo,  
decem dierum.

*Hic motus semper additur Radici.*

Menses	Dies	Anomalia ♊ Media				Anomalia ♈ Media.				Anomalia ♀ Media.				Anomalia ♏ Media.			
		S	o	l	ll	S	o	l	ll	S	o	l	ll	S	o	l	ll
Augusti	9	0	18	16	49	3	25	17	16	11	22	28	5	6	0	18	49
	19	0	19	6	40	4	0	31	41	0	8	29	22	7	11	14	13
	29	0	19	56	32	4	5	46	6	0	24	30	39	8	22	9	37
Septem.	8	0	20	46	23	4	11	0	32	1	10	31	56	10	3	5	1
	18	0	21	36	14	4	16	14	57	1	26	33	13	11	14	0	25
	28	0	22	26	6	4	21	29	22	2	12	34	30	0	24	55	49
Octobr.	8	0	23	15	57	4	26	43	48	2	28	35	47	2	5	51	13
	18	0	24	5	48	5	1	58	13	3	14	37	3	3	16	46	37
	28	0	24	55	40	5	7	12	38	4	0	38	20	4	27	42	1
Novem.	7	0	25	45	31	5	12	27	4	4	16	39	37	6	8	37	25
	17	0	26	35	23	5	17	41	29	5	2	40	53	7	19	32	42
	27	0	27	25	14	5	22	55	54	5	18	42	10	9	0	28	13
Decem.	7	0	28	15	5	5	28	10	19	6	4	43	27	10	11	23	37
	17	0	29	4	56	6	3	24	44	6	20	44	43	11	22	19	1
	27	0	29	54	48	6	8	39	9	7	6	46	0	1	3	14	25
Progreſſus Dierum 5. Anno Communi, vel 6. Anno Biſſextili reſpondens Radici proxime ſequentis Anni.																	
Anno																	
Com.	5	0	0	24	56	0	2	37	13	0	8	0	38	0	20	27	42
Biſ.	6	0	0	29	55	0	3	8	39	0	9	36	46	0	24	33	14

Anno Biſſextili poſt Februario demitur una dies.

## Tabula II.

Ephemeris ☉ Anno post Biffextum 17

	Januar. 1.			Januar. 11.			Jan. 21.			Jan. 31.			Feb. 10.			Feb. 20.		
Prog.	10	11	12	10	10	42	10	9	17	10	7	18	10	4	52	10	2	7
Dies	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11
1	1	1	10	1	1	7	1	1	0	1	0	49	1	0	38	1	0	19
2	1	1	11	1	1	6	1	0	59	0	47	0	0	36	0	0	18	
3	1	1	10	1	1	6	1	0	58	0	46	0	0	34	0	0	17	
4	1	1	10	1	1	5	1	0	58	0	45	0	0	32	0	0	15	
5	1	1	10	1	1	5	1	0	57	0	44	0	0	30	0	0	14	
6	1	1	9	1	1	4	1	0	56	1	0	43	1	0	28	1	0	12
7	1	1	9	1	1	3	1	0	55	0	42	0	0	26	0	0	11	
8	1	1	8	1	1	3	1	0	53	0	41	0	0	24	0	0	9	
9	1	1	7	1	1	2	1	0	51	0	41	0	0	23	0	0	7	
10	1	1	7	1	1	1	1	0	50	0	40	0	0	21	0	0	5	
Prog.	Mart. 2.			Mart. 12.			Mart. 22.			April. 1.			April. 11.			April. 21.		
Dies	9	58	56	9	55	42	9	52	7	9	48	34	9	45	20	9	42	15
1	0	3	0	59	43	0	59	23	0	59	1	0	58	41	0	58	21	
2	0	1	0	59	42	0	59	21	58	59	58	39	58	39	58	19		
3	0	59	59	59	40	59	19	58	56	58	37	58	17	58	17			
4	59	57	59	37	39	16	58	54	58	35	58	15	58	15				
5	59	55	59	35	59	14	58	52	58	33	58	14	58	14				
6	0	59	53	0	59	33	0	59	11	0	58	50	0	58	31	58	13	
7	59	50	59	31	59	9	58	48	58	29	58	11	58	11				
8	59	48	59	29	59	7	58	47	58	27	58	10	58	10				
9	59	46	59	27	59	5	58	45	58	25	58	8	58	8				
10	59	44	59	25	59	2	58	42	58	23	58	7	58	7				
Prog.	Maii 1.			Maii 11.			Maii 21.			Maii 31.			Junii 10.			Iulii 20.		
Dies	9	39	29	9	37	1	9	35	2	9	33	31	9	32	26	9	31	58
1	0	58	4	0	57	49	0	57	36	0	57	24	0	57	17	0	57	12
2	58	2	57	47	57	35	57	24	57	16	57	12	57	12				
3	58	0	57	45	57	33	57	23	57	16	57	12	57	12				
4	57	58	57	43	57	32	57	23	57	15	57	12	57	12				
5	57	57	57	42	57	31	57	22	57	15	57	12	57	12				
6	0	57	56	0	57	41	9	57	29	0	57	21	0	57	15	0	57	12
7	57	55	57	40	57	28	57	28	57	20	57	14	57	12	57	12		
8	57	54	57	39	57	27	57	27	57	19	57	13	57	11	57	11		
9	57	52	57	38	57	26	57	26	57	18	57	13	57	12	57	12		
10	57	51	57	37	57	25	57	25	57	17	57	12	57	11	57	11		

Ta.

## Tabula II.

Ephemeris ☼ Anno. post-Bissextum I.

	Junii 30	Julii 10	Julii 20	Julii 30	Augusti 9	Augusti 19
Prog.	9 31 57	9 32 30	9 33 37	9 35 10	9 37 12	9 39 41
Dies	0 1 11	0 1 11	0 1 11	0 1 11	0 1 11	0 1 11
1	57 11	57 13	57 18	57 26	57 37	57 50
2	57 11	57 14	57 19	57 27	57 38	57 51
3	57 11	57 14	57 20	57 28	57 40	57 53
4	57 12	57 14	57 21	57 29	57 41	57 55
5	57 12	57 15	57 21	57 30	57 42	57 57
6	57 12	57 15	57 22	57 32	57 44	57 59
7	57 12	57 16	57 23	57 33	57 46	58 1
8	57 12	57 16	57 24	57 34	57 47	58 3
9	57 12	57 16	57 24	57 35	57 48	58 5
10	57 13	57 17	57 25	57 36	57 49	58 7
Prog.	Aug. 29	Septemb. 8	Septem. 18	Septemb. 28	Octob. 8	Octob. 18
Dies	9 42 18	9 43 34	9 48 48	9 52 25	9 55 55	9 59 10
1	58 8	58 23	58 44	59 4	59 26	59 46
2	58 9	58 26	58 45	59 6	59 28	59 48
3	58 10	58 28	58 47	59 8	59 30	59 50
4	58 12	58 30	58 50	59 11	59 32	59 52
5	58 14	58 32	58 52	59 13	59 34	59 54
6	58 15	58 34	58 54	59 16	59 37	59 56
7	58 17	58 36	58 56	59 18	59 39	59 58
8	58 19	58 39	58 58	59 21	59 41	0 0
9	58 21	58 41	59 0	59 23	59 43	0 2
10	58 23	58 43	59 2	59 25	59 45	0 4
Prog.	Octobr. 28	Novemb. 7	Novem. 17	Novem. 27	Decemb. 7	Decem. 17
Dies	10 2 20	10 5 4	10 7 30	10 9 25	10 10 46	10 11 34
1	0 16	0 23	0 39	0 52	1 1	1 8
2	0 18	0 25	0 40	0 53	1 2	1 8
3	0 10	0 26	0 42	0 54	1 3	1 9
4	0 11	0 28	0 43	0 55	1 4	1 10
5	0 13	0 30	0 44	0 56	1 5	1 9
6	0 15	0 31	0 45	0 57	1 5	1 10
7	0 17	0 33	0 47	0 58	1 6	1 10
8	0 19	0 34	0 49	0 59	1 6	1 10
9	0 20	0 36	0 50	0	1 7	1 10
10	0 21	0 38	0 51	0 1	1 7	1 10

Progressus diei 27. Decembris ad primam anni sequentis erit gr. 5. 53. Quare dies 1. & 2. erit proportio gr. 1. 1. 10, die autem 3. 4. 5. semper gr. 1. 1. 11.

Ta-

## Tabula II.

Ephemeris Anno Post Bissextum II.

	Januar. I.			Januar. II			Januar. 21			Januar. 31			Feb. 10			Feb. 20		
Prog.	10	11	32	10	10	43	10	9	20	10	7	22	10	4	57	10	2	11
Dies	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11
1	I	I	10	I	I	7	I	I	10	I	0	49	I	0	39	I	0	20
2		I	11		I	6		I	10		0	48		0	37		0	19
3		I	10		I	6		0	59		0	47		0	35		0	17
4		I	10		I	5		0	58		0	46		0	32		0	16
5		I	10		I	5		0	57		0	44		0	30		0	14
6	I	I	9	I	I	4	I	0	56	I	0	43	I	0	28	I	0	13
7		I	9		I	4		0	55		0	42		0	27		0	11
8		I	8		I	3		0	53		0	41		0	25		0	9
9		I	8		I	2		0	52		0	41		0	23		0	7
10		I	7		I	1		0	50		0	40		0	21		0	5
Prog.	Martii 2			Martii 12			Mart. 22			Aprilis 1			April. 11			April. 21		
Dies	9	59	2	9	55	44	9	52	15	9	48	39	9	42	25	9	42	20
1	I	0	3	0	59	43	0	59	23	0	59	1	0	58	40	0	58	22
2		0	1		59	42		59	21		58	59		58	39		58	20
3	0	59	59		59	40		59	19		58	57		58	37		58	18
4		59	58		59	38		59	17		58	55		58	35		58	16
5		59	56		59	36		59	15		58	53		58	34		58	15
6	0	59	53	0	59	33	0	59	13	0	58	51	0	58	32	0	58	13
7		59	51		59	31		59	10		58	49		58	30		58	11
8		59	49		59	29		59	8		58	47		58	28		58	10
9		59	47		59	27		59	6		58	45		58	26		58	8
10		59	45		59	25		59	3		58	42		58	24		58	7
Prog.	Maii 1			Maii 11			Maii 21			Maii 31			Iunii 10			Iunii 20		
Dies	9	39	33	9	37	5	9	35	5	9	33	33	9	32	27	9	31	58
1	0	58	5	0	57	48	0	57	35	0	57	25	0	57	17	0	57	13
2		58	3		57	47		57	34		57	24		57	16		57	12
3		58	1		57	46		57	33		57	24		57	16		57	13
4		57	59		57	45		57	32		57	23		57	15		57	12
5		57	58		57	43		57	31		57	22		57	15		57	12
6	0	57	57	0	57	42	0	57	30	0	57	21	0	57	14	0	57	12
7		57	55		57	40		57	29		57	20		57	14		57	11
8		57	53		57	39		57	28		57	19		57	14		57	11
9		57	52		57	38		57	27		57	18		57	13		57	11
10		57	50		57	37		57	26		57	17		57	13		57	11



## Tabula II.

Ephemeris ☉ Anno post Bifextum II.

	Junii 30	Julii 10	Julii 20.	Julii 30	Augusti 9	Augusti 19
Prog.	9 31 57	9 32 28	9 33 36	9 35 7	9 37 8	9 39 37
Dies	0 1 11	0 1 11	0 1 11	0 1 11	0 1 11	0 1 11
1	0 57 11	0 57 13	0 57 18	0 57 26	0 57 37	0 57 50
2	57 11	57 13	57 19	57 27	57 38	57 51
3	57 11	57 14	57 20	57 28	57 40	57 53
4	57 12	57 14	57 20	57 29	57 41	57 55
5	57 12	57 15	57 21	57 30	57 42	57 57
6	0 57 12	0 57 15	0 57 22	0 57 31	0 57 43	0 57 59
7	57 12	57 15	57 23	57 32	57 45	58 0
8	57 12	57 16	57 24	57 33	57 46	58 2
9	57 12	57 16	57 24	57 35	57 47	58 4
10	57 13	57 17	57 25	57 36	57 49	58 6
Prog.	Augusti 29	Septemb. 8	Septem. 18	Septem. 28	Octob. 8	Octob. 18
Dies	9 42 24	9 45 28	9 48 43	9 52 20	9 55 49	9 59 5
1	0 58 8	0 58 25	0 58 44	0 59 4	0 59 26	0 59 46
2	58 9	58 26	58 45	59 6	59 28	59 48
3	58 10	58 28	58 47	59 8	59 30	59 50
4	58 12	58 30	58 50	59 11	59 32	59 52
5	58 14	58 31	58 52	59 13	59 33	59 54
6	0 58 15	0 58 33	0 58 53	0 59 15	0 59 36	0 59 55
7	58 16	58 35	58 55	59 17	59 38	0 59 57
8	58 18	58 38	58 57	59 20	59 40	0 59 59
9	58 20	58 40	58 59	59 22	59 42	1 0 1
10	58 22	58 42	59 1	59 24	59 44	0 3
Prog.	Octobr. 28	Novemb. 7	Novem. 17	Novem. 27	Decemb. 7	Decem. 17
Dies	10 2 16	10 5 0	10 7 28	10 9 21	10 10 44	10 11 33
1	1 0 6	1 0 23	1 0 38	1 0 52	1 1 1	1 1 8
2	0 8	0 25	0 40	0 53	1 2	1 8
3	0 10	0 26	0 42	0 54	1 3	1 9
4	0 11	0 28	0 43	0 55	1 4	1 9
5	0 13	0 30	0 44	0 56	1 4	1 9
6	1 0 15	1 0 31	1 0 45	1 0 57	1 1 5	1 1 10
7	0 16	0 32	0 47	0 57	1 5	1 10
8	0 18	0 33	0 48	0 58	1 6	1 10
9	0 19	0 35	0 50	0 59	1 7	1 10
10	0 20	0 37	0 51	1 0	1 7	1 10

## Tabula II.

Ephemeris ☼ Anno post Bissextum III;

	Januar. 1.			Januar. 11.			Jan. 21.			Jan. 31.			Febr. 10.			Febr. 20.		
Prog.	10	11	32	10	10	45	10	9	23	10	7	26	10	5	0	10	2	16
Dies	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11
1	1	1	10	1	1	7	1	1	0	1	0	50	1	0	3	1	0	20
2	1	1	11	1	1	7	1	0	59	0	48	0	36	0	36	0	19	19
3	1	1	10	1	1	6	1	0	59	0	47	0	34	0	34	0	18	18
4	1	1	10	1	1	6	1	0	58	0	46	0	32	0	32	0	17	17
5	1	1	10	1	1	5	1	0	57	0	45	0	31	0	31	0	15	15
6	1	1	9	1	1	4	1	0	56	1	0	44	1	0	29	1	0	13
7	1	1	9	1	1	4	1	0	55	0	43	0	28	0	28	0	11	11
8	1	1	8	1	1	3	1	0	54	0	42	0	26	0	26	0	9	9
9	1	1	8	1	1	2	1	0	53	0	41	0	24	0	24	0	8	8
10	1	1	7	1	1	1	1	0	52	0	40	0	22	0	22	0	6	6
Prog.	Mart. 2.			Mart. 12.			Mart. 22.			April. 1.			April. 11.			April. 21.		
Dies	9	59	4	9	55	49	9	52	21	9	48	44	9	45	25	9	42	25
1	1	0	4	0	59	44	0	59	23	0	59	1	0	58	42	0	58	22
2	1	0	2		59	42		59	22		59	0		58	40		58	20
3	1	0	0		59	40		59	20		58	58		58	38		58	19
4	0	59	57		59	38		59	19		58	56		58	36		58	17
5		59	55		59	36		59	16		58	54		58	34		58	15
6	0	59	53	0	59	34	0	59	13	0	58	51	0	58	32		58	14
7		59	51		59	32		59	11		58	49		58	30		58	12
8		59	50		59	30		59	8		58	47		58	28		58	10
9		59	48		59	28		59	6		58	45		58	25		58	9
10		59	46		59	25		59	3		58	43		58	23		58	7
Prog.	Maii 1.			Maii 11.			Mai 21.			Mai 31.			Junii 10.			Junii 20.		
Dies	9	39	36	9	37	10	9	35	8	9	33	33	9	32	29	9	31	59
1	0	58	5	0	57	50	0	57	36	0	57	25	0	57	17	0	57	13
2		58	3		57	49		57	35		57	24		57	16		57	13
3		58	1		57	47		57	34		57	24		57	16		57	12
4		57	59		57	45		57	33		57	23		57	15		57	13
5		57	58		57	43		57	32		57	22		57	15		57	12
6	0	57	57	0	57	42	9	57	30	0	57	21	0	57	15	0	57	12
7		57	55		57	40		57	29		57	20		57	14		57	11
8		57	54		57	39		57	28		57	19		57	14		57	11
9		57	53		57	38		57	26		57	18		57	14		57	11
10		57	51		57	37		57	25		57	17		57	13		57	11

## .II Tabula II.

Ephemeris ☉ Anno post Bissextum III.

	Junii 30	Julii 10	Julii 20	Julii 30	August. 9	August. 19
Prog	9 31 55	9 32 28	9 33 34	9 35 4	9 37 5	9 39 33
Dies	0 1 11	0 1 11	0 1 11	0 1 1	0 1 11	0 1 11
1	0 57 11	0 57 13	0 57 17	0 57 26	0 57 35	0 57 51
2	57 11	57 13	57 18	57 27	57 37	57 52
3	57 11	57 14	57 19	57 28	57 39	57 53
4	57 11	57 14	57 20	57 29	57 40	57 54
5	57 11	57 15	57 21	57 30	57 42	57 55
6	0 57 11	0 57 15	0 57 22	0 57 31	0 57 43	0 57 57
7	57 12	57 15	57 23	57 32	57 45	58 0
8	57 12	57 16	57 24	57 33	57 46	58 2
9	57 12	57 16	57 25	57 34	57 48	58 4
10	57 13	57 17	57 25	57 34	57 50	58 5
Prog.	August. 29	Septemb. 8	Sept. 18	Sept. 25	Octob. 18	Octob. 18
Dies	9 42 20	9 45 24	9 48 38	9 52 14	9 55 44	9 59 1
1	0 58 7	0 58 24	0 58 43	0 59 4	0 59 25	0 59 46
2	58 8	58 26	58 44	59 6	59 27	59 47
3	58 9	58 28	58 46	59 8	59 29	59 49
4	58 11	58 30	58 48	59 10	59 31	59 51
5	58 12	58 31	58 50	59 12	59 33	59 53
6	0 58 15	0 58 33	0 58 53	0 59 14	0 59 35	0 59 55
7	58 17	58 35	58 55	59 17	59 38	59 57
8	58 19	58 37	58 57	59 19	59 40	59 59
9	58 20	58 39	59 0	59 21	59 42	1 0 1
10	58 22	58 41	59 2	59 23	59 44	0 3
Prog.	Octob. 28	Nov. 7	Nov. 17	Nov. 27	Dec. 7	Dec. 17
Dies	10 2 11	10 4 56	10 7 25	10 9 19	10 10 42	10 11 33
1	1 0 4	1 0 22	1 0 38	1 0 51	1 1 1	1 1 8
2	0 7	0 24	0 40	0 52	1 2	1 8
3	0 9	0 26	0 42	0 54	1 2	1 9
4	0 12	0 28	0 44	0 55	1 3	1 9
5	0 13	0 29	0 45	0 56	1 4	1 9
6	1 0 15	1 0 31	1 0 46	1 0 57	1 1 5	1 1 10
7	0 16	0 32	0 46	0 57	1 5	1 10
8	0 17	0 33	0 47	0 58	1 6	1 10
9	0 18	0 35	0 48	0 59	1 7	1 10
10	0 20	0 36	0 49	1 0	1 7	1 10

A die 27. ad primam sequentis anni progressus est gr. 5.5.52. quare die 28.

29. 30. erit progr. 1.1.10. reliquum 1.1.11.

# Tabula II.

Ephemeris ☼ Anno Biffextili.

	Januar. 1.			Januar. 11			Januar. 21			Januar. 31			Feb. 10			Feb. 20		
Prog.	10	11	33	10	10	47	10	9	26	10	7	28	10	5	5	10	2	21
Dies	o	l	ll	o	l	ll	o	l	ll	o	l	ll	o	l	l	o	l	ll
1	1	1	11	1	1	7	1	1	1	1	0	51	1	0	39	1	0	21
2		1	11		1	7		1	0		0	49		0	37		0	20
3		1	10		1	6		1	0		0	47		0	35		0	19
4		1	10		1	6		0	58		0	46		0	33		0	18
5		1	10		1	5		0	57		0	45		0	31		0	16
6	1	1	9	1	1	5	1	0	56	1	0	44	1	0	29	1	0	13
7		1	9		1	4		0	55		0	43		0	28		0	11
8		1	8		1	3		0	54		0	42		0	26		0	9
9		1	8		1	2		0	53		0	41		0	24		0	8
10		1	7		1	2		0	52		0	40		0	23		0	6
Prog.	Martii 1.			Martii 11			Mart. 21			Martii 31			April. 10			April. 20		
Dies	9	59	11	9	55	54	9	52	26	9	48	49	9	45	33	9	42	29
1	1	0	5	0	59	45	0	59	24	0	59	2	0	58	42	0	58	23
2		0	3		59	43		59	23		59	1		58	40		58	21
3		0	1		59	41		59	21		58	59		58	38		58	19
4	0	59	58		59	39		59	19		58	57		58	36		58	17
5		59	56		59	36		59	16		58	54		58	34		58	16
6	0	59	53	0	59	34	0	59	14	0	58	52	0	58	33	0	58	14
7		59	51		59	32		59	11		58	49		58	31		58	12
8		59	50		59	30		59	8		58	47		58	29		58	10
9		59	48		59	28		59	6		58	45		58	26		58	9
10		59	46		59	26		59	3		58	43		58	24		58	8
Prog.	Aprilis 30			Maii 10			Maii 20			Maii 30			Junii 9			Junii 19		
Dies	9	39	41	9	37	13	9	35	11	9	33	36	9	32	29	9	31	59
1	0	58	6	0	57	50	0	57	36	0	57	25	0	57	17	0	57	13
2		58	4		57	49		57	35		57	25		57	16		57	13
3		58	2		57	48		57	34		57	24		57	16		57	12
4		58	0		57	46		57	33		57	23		57	15		57	13
5		57	59		57	44		57	32		57	22		57	15		57	12
6	0	57	57	0	57	42	0	57	31	0	57	21	0	57	15	0	57	12
7		57	55		57	40		57	30		57	20		57	14		57	11
8		57	54		57	39		57	28		57	19		57	14		57	11
9		57	53		57	38		57	27		57	19		57	14		57	11
10		57	51		57	37		57	25		57	18		57	13		57	11

## Tabula II.

Ephemeris ☉ Anno Bissextili.

	Junii 29			Julii 9			Iulii 19			Iulii 29			August. 8			August. 18		
Prog	9	31	56	9	32	26	9	33	32	9	35	2	9	37	1	9	39	23
Dies	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11	0	1	11
1	0	57	11	0	57	13	0	57	17	0	57	26	0	57	35	0	57	54
2		57	11		57	13		57	18		57	27		57	37		57	52
3		57	11		57	13		57	19		57	28		57	38		57	53
4		57	11		57	14		57	20		57	29		57	40		57	54
5		57	12		57	14		57	21		57	30		57	41		57	53
6	0	57	11	0	57	15	0	57	22	0	57	31	0	57	42	0	57	57
7		57	12		57	15		57	23		57	32		57	44		57	59
8		57	12		57	16		57	23		57	32		57	46		58	1
9		57	12		57	16		57	24		57	33		57	48		58	2
10		57	13		57	17		57	25		57	34		57	50		58	4
Prog.	August. 28			Septemb. 7			Sept. 17			Sept. 27			Octob. 7			Octob. 17		
Dies	9	42	17	9	45	19	9	48	33	9	52	8	9	55	39	9	58	56
1	0	58	6	0	58	24	0	58	42	0	59	4	0	59	24	0	59	46
2		58	8		58	26		58	43		59	6		59	26		59	47
3		58	9		58	28		58	45		59	8		59	28		59	49
4		58	11		58	30		58	47		59	10		59	30		59	51
5		58	12		58	31		58	50		59	12		59	32		59	53
6	0	58	14	0	58	32	0	58	52	0	59	13	0	59	35	0	59	54
7		58	16		58	34		58	55		59	15		59	38		59	56
8		58	19		58	36		58	57		59	18		59	40		59	58
9		58	20		58	38		59	0		59	20		59	42	1	0	0
10		58	22		58	40		59	2		59	22		59	44		0	2
Prog.	Octob. 27			Nov. 6			Nov. 16			Nov. 26			Dec. 6			Dec. 16		
Dies	10	2	7	10	4	5	10	7	20	10	9	17	10	10	41	10	11	32
1	1	0	4	1	0	21	1	0	37	1	0	51	1	1	1	1	1	8
2		0	6		0	23		0	39		0	52		1	2		1	8
3		0	8		0	25		0	41		0	53		1	2		1	9
4		0	11		0	27		0	43		0	54		1	3		1	9
5		0	13		0	29		0	44		0	56		1	4		1	9
6	1	0	15	1	0	31	1	0	45	1	0	57	1	1	4	1	1	9
7		0	16		0	32		0	46		0	57		1	5		1	10
8		0	17		0	33		0	47		0	58		1	6		1	10
9		0	18		0	35		0	48		0	59		1	7		1	10
10		0	19		0	36		0	50		1	0		1	7		1	10

A die 26. au primam sequentis anni progressus est gr. 6. 7. 2. quare progressus dierum 4. erit semper 1. 1. 10. ultima die 1. 1. 11. sicuti & prima.

## Tabula III.

Ephemeris h																						
P.	0	0	0	1	0	2	0	3	0	4	0	5	0	6	0	7	0	8	0	9		
D.	G.	M.	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M		
1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	10	
2	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	1	0	1	0	1	9	
3	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	8	
4	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	1	7	
5	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	1	0	1	6	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	5	
7	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	4	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	
9	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	2	
10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
P.	0	10	0	11	0	12	0	13	0	14	0	15	0	16	0	17	0	18	0	19	D.	
D.	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M		
1	0	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	10	
2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9		
3	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	8		
4	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	7		
5	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	6		
6	0	1	0	1	0	1	0	1	0	1	0	2	0	1	0	2	0	2	0	2	5	
7	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	2	1	2	1	4		
8	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	2	3		
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	2		
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1		
P.	0	20	0	21	0	22	0	23	0	24	0	25	0	26	0	27	0	28	0	29	D.	
D.	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M	G	M		
1	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	10	
2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	9		
3	2	2	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	8		
4	2	2	2	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	7		
5	2	2	2	2	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	6		
6	0	2	0	2	0	2	0	2	0	3	0	2	0	3	0	3	0	3	0	3	5	
7	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	3	2	3	2	4		
8	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	3	2	3		
9	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2		
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1		

## Tabula III.

Ephemeris h											
P.	0 30	0 31	0 32	0 33	0 34	0 35	0 36	0 37	0 38	0 39	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 3	0 3	0 4	0 4	0 4	0 4	0 4	0 4	0 4	0 4	10
2	3	4	3	4	4	4	4	4	4	4	9
3	3	3	4	3	4	4	4	4	4	4	8
4	3	3	3	4	3	4	4	4	4	4	7
5	3	3	3	3	4	3	4	4	4	4	6
6	0 3	0 3	0 3	0 3	0 3	0 4	0 3	0 4	0 4	0 4	5
7	3	3	3	3	3	3	4	3	4	4	4
8	3	3	3	3	3	3	3	4	3	4	3
9	3	3	3	3	3	3	3	3	4	3	2
10	3	3	3	3	3	3	3	3	3	4	1
P.	0 40	0 41	0 42	0 44	0 46	0 48	0 5	0 52	0 54	0 56	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 4	0 4	0 5	0 5	0 5	0 5	0 5	0 6	0 6	0 6	10
2	4	5	4	5	5	5	5	5	6	6	9
3	4	4	5	5	5	5	5	6	6	6	8
4	4	4	4	4	5	5	5	5	5	6	7
5	4	4	4	5	5	5	5	5	6	6	6
6	0 4	0 4	0 4	0 4	0 4	0 5	0 5	0 5	0 5	0 5	5
7	4	4	4	4	5	5	5	5	5	6	4
8	4	4	4	4	4	4	5	5	5	5	3
9	4	4	4	4	4	5	5	5	5	5	2
10	4	4	4	4	4	4	5	5	5	5	1
P.	0 58	1 0	1 2	1 4	1 6	1 8	1 10	1 12	1 14	1 16	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 6	0 6	0 7	0 7	0 7	0 7	0 7	0 8	0 8	0 8	10
2	6	6	6	7	7	7	7	7	7	8	9
3	6	6	7	7	7	7	7	8	8	7	8
4	6	6	6	6	7	7	7	7	7	8	7
5	6	6	6	7	7	7	7	7	7	7	6
6	0 6	0 6	0 6	0 6	0 6	0 7	0 7	0 7	0 8	0 8	5
7	6	6	6	6	7	7	7	7	7	7	4
8	5	6	6	6	6	6	7	7	8	8	3
9	6	6	6	6	6	7	7	7	7	7	2
10	5	6	6	6	6	6	7	7	7	8	1

## Tabula III.

Ephemeris 24																					
P.	0	0	0	1	0	2	0	3	0	4	0	5	0	6	0	7	0	8	0	9	
D.	G.	M.	G	M	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	2	0	2	10
2	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	9
3	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	2	8
4	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	1	0	1	0	1	7
5	0	S	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	1	0	1	6
6	0	0	0	S	0	S	0	0	0	1	0	1	0	0	0	1	0	1	0	1	5
7	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	4
8	0	1	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0	1	0	1	3
9	0	0	0	1	0	1	0	0	0	S	0	S	0	S	0	0	0	0	0	0	2
10	0	1	0	1	0	0	0	1	0	1	0	1	0	0	S	0	S	0	S	0	1
P.	0	10	0	11	0	12	0	13	0	14	0	15	0	16	0	17	0	18	0	19	D.
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	2	0	2	0	2	0	2	0	2	0	3	0	3	0	2	0	3	0	3	10
2	0	1	0	2	0	2	0	2	0	2	0	2	0	2	0	3	0	2	0	2	9
3	0	2	0	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	3	8
4	0	1	0	2	0	1	0	1	0	2	0	2	0	2	0	2	0	2	0	2	7
5	0	1	0	1	0	1	0	2	0	1	0	1	0	1	0	2	0	2	0	2	6
6	0	1	0	1	0	1	0	1	0	2	0	2	0	2	0	1	0	2	0	2	5
7	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	2	0	1	0	1	4
8	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	2	0	2	3
9	0	1	0	1	0	1	0	0	0	1	0	1	0	1	0	1	0	1	0	1	2
10	0	0	0	0	1	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	1
P.	0	20	0	21	0	22	0	23	0	24	0	25	0	26	0	27	0	28	0	29	D.
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	3	0	3	0	3	0	3	0	4	0	4	0	3	0	4	0	4	0	4	10
2	0	3	0	3	0	3	0	3	0	3	0	3	0	4	0	3	0	3	0	3	9
3	0	2	0	3	0	3	0	3	0	3	0	3	0	3	0	4	0	4	0	4	8
4	0	3	0	2	0	2	0	3	0	3	0	3	0	3	0	3	0	3	0	3	7
5	0	2	0	3	0	3	0	2	0	2	0	2	0	3	0	3	0	3	0	3	6
6	0	2	0	2	0	2	0	3	0	2	0	2	0	2	0	3	0	3	0	3	5
7	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	4
8	0	1	0	1	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	3	3
9	0	1	0	1	0	1	0	1	0	2	0	2	0	2	0	2	0	2	0	2	2
10	0	1	0	1	0	1	0	1	0	1	0	2	0	2	0	2	0	2	0	2	1



## Tabula III.

Ephemeris 24

P.	20	32	34	36	38	40	42	44	46	48	
D.	1	1	1	1	1	1	1	1	1	1	
1	4	4	4	4	4	5	5	5	5	5	10
2	4	4	4	4	4	4	5	5	5	5	9
3	3	4	4	4	4	5	4	5	5	5	8
4	4	3	4	4	4	4	5	4	5	5	7
5	3	4	3	4	4	4	4	5	5	5	6
6	3	3	4	3	4	4	4	4	4	5	5
7	3	3	3	4	4	4	4	4	5	5	4
8	2	3	3	3	3	4	4	4	4	4	3
9	2	2	3	3	4	3	4	4	4	5	2
10	2	2	2	3	3	3	3	4	4	4	1
P.	50	52	54	56	58	1	2	4	6	8	D.
D.	1	1	1	1	1	1	1	1	1	1	
1	5	6	6	7	7	7	7	7	7	8	10
2	6	5	6	6	7	7	7	7	7	7	9
3	5	6	6	6	6	7	7	7	7	7	8
4	5	5	5	6	6	6	7	7	7	7	7
5	5	5	6	5	6	6	6	7	7	7	6
6	5	5	5	6	5	6	6	6	7	7	5
7	5	5	5	5	6	5	6	6	6	7	4
8	5	5	5	5	5	6	5	6	6	6	3
9	4	5	5	5	5	5	6	6	6	6	2
10	5	5	5	5	5	5	5	6	6	6	1
P.	10	12	14	16	18	20	22	24	26	28	D.
D.	1	1	1	1	1	1	1	1	1	1	
1	8	8	8	8	8	9	9	9	9	9	10
2	8	8	8	8	8	8	9	9	9	9	9
3	7	8	8	8	8	8	8	9	9	9	8
4	7	7	8	8	8	8	9	8	9	9	7
5	7	7	7	8	8	8	8	9	9	9	6
6	7	7	7	7	8	8	8	8	8	9	5
7	7	7	7	7	7	8	8	8	9	9	4
8	6	7	7	7	7	7	8	8	8	8	3
9	7	6	7	7	7	7	8	8	8	9	2
10	6	7	7	7	7	7	7	8	8	8	1

L I

Ta.

## Tabula III.

Ephemeris 2x												
P.	I 30	I 32	I 34	I 36	I 38	I 40	I 42	I 44	I 46	I 48		
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 10	0 10	0 10	0 10	0 10	0 10	0 11	0 11	0 11	0 11	10	
2	9	9	10	10	10	10	10	11	11	11	9	
3	9	10	9	10	10	10	11	11	11	11	8	
4	9	9	10	10	10	10	10	10	11	11	7	
5	9	9	9	10	10	10	10	11	11	11	6	
6	0 9	0 9	0 10	0 9	0 10	0 10	0 10	0 10	0 10	0 11	5	
7	9	9	9	10	10	10	10	10	11	11	4	
8	9	9	9	9	9	10	10	10	10	10	3	
9	9	9	9	9	10	10	10	10	10	11	2	
10	8	9	9	9	9	10	10	10	10	10	1	
P.	I 50	I 52	I 54	I 56	I 58	2 0	2 2	2 4	2 6	2 8	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 11	0 12	0 12	0 12	0 12	0 12	0 13	0 13	0 13	0 13	10	
2	11	11	12	12	12	12	12	13	13	13	9	
3	11	12	12	12	12	12	13	13	13	13	8	
4	11	11	11	12	12	12	12	12	13	13	7	
5	11	11	12	12	12	12	12	13	13	13	6	
6	0 11	0 11	0 11	0 11	0 12	0 12	0 12	0 12	0 12	0 13	5	
7	11	11	11	12	12	12	12	12	13	13	4	
8	11	11	11	11	11	12	12	12	12	12	3	
9	11	11	11	11	12	12	12	12	12	13	2	
10	11	11	11	11	11	12	12	12	12	12	1	
P.	2 10	2 12	2 14	2 16	2 18	2 20	2 22	2 24	2 26	2 28	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 13	0 14	0 14	0 14	0 14	0 14	0 14	0 14	0 14	0 15	10	
2	13	13	13	14	14	14	14	14	15	15	9	
3	13	14	14	13	13	14	14	15	14	15	8	
4	13	13	13	14	14	14	14	14	15	14	7	
5	13	13	14	13	14	14	15	15	15	15	6	
6	0 13	0 13	0 13	0 14	0 14	0 14	0 14	0 14	0 15	0 15	5	
7	13	13	14	13	14	14	14	14	14	15	4	
8	13	13	13	14	14	14	14	15	15	14	3	
9	13	13	13	13	13	14	14	14	14	15	2	
10	13	13	13	14	14	14	15	15	15	15	1	

## Tabula III

Epemeris ♂

P.	0	0	0	2	0	4	0	6	0	8	0	10	0	12	0	14	0	16	0	18	
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	4	0	4	0	3	0	4	0	5	0	5	0	5	0	5	0	5	0	5	10
2	0	3	0	3	0	2	0	3	0	4	0	4	0	4	0	4	0	5	0	5	9
3	0	2	0	2	0	1	0	2	0	3	0	3	0	3	0	3	0	4	0	4	8
4	0	1	0	1	0	1	0	2	0	2	0	2	0	2	0	2	0	3	0	3	7
5	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	2	0	2	0	2	6
6	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	1	5
7	0	1	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	4
8	0	2	0	2	0	2	0	1	0	1	0	1	0	1	0	0	0	1	0	0	3
9	0	3	0	3	0	3	0	2	0	2	0	2	0	2	0	1	0	1	0	1	2
10	0	3	0	4	0	4	0	2	0	3	0	2	0	2	0	2	0	2	0	2	1
P.	0	20	0	22	0	24	0	26	0	28	0	30	0	32	0	34	0	36	0	38	D.
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	5	0	5	0	6	0	6	0	6	0	7	0	6	0	7	0	7	0	7	10
2	0	5	0	5	0	5	0	6	0	5	0	6	0	6	0	6	0	7	0	6	9
3	0	4	0	4	0	4	0	5	0	5	0	5	0	5	0	6	0	6	0	6	8
4	0	3	0	3	0	4	0	4	0	4	0	4	0	5	0	5	0	5	0	5	7
5	0	3	0	3	0	3	0	3	0	3	0	3	0	4	0	4	0	4	0	4	6
6	0	2	0	2	0	2	0	2	0	3	0	3	0	3	0	3	0	3	0	4	5
7	0	1	0	1	0	1	0	1	0	2	0	2	0	2	0	2	0	2	0	3	4
8	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	2	3
9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
10	0	2	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1
P.	0	40	0	42	0	44	0	46	0	48	0	50	0	52	0	54	0	56	0	58	D.
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	7	0	8	0	8	0	8	0	8	0	8	0	8	0	8	0	8	0	8	10
2	0	7	0	7	0	7	0	7	0	7	0	8	0	8	0	8	0	8	0	7	9
3	0	6	0	6	0	6	0	7	0	7	0	7	0	7	0	7	0	7	0	8	8
4	0	5	0	6	0	5	0	6	0	6	0	6	0	6	0	6	0	6	0	7	7
5	0	5	0	5	0	5	0	5	0	5	0	6	0	6	0	6	0	6	0	6	6
6	0	4	0	4	0	4	0	4	0	4	0	5	0	5	0	5	0	5	0	6	5
7	0	3	0	3	0	3	0	3	0	3	0	4	0	4	0	4	0	4	0	5	4
8	0	2	0	2	0	2	0	2	0	2	0	3	0	3	0	3	0	3	0	4	3
9	0	1	0	1	0	2	0	2	0	2	0	3	0	3	0	3	0	3	0	4	2
10	0	0	0	0	0	1	0	1	0	1	0	2	0	2	0	2	0	3	0	3	1

## Tabula III.

Ephemeris ☿

P.	1 0	1 2	1 4	1 6	1 8	1 10	1 12	1 14	1 16	1 18	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 8	0 9	0 9	0 9	0 10	0 10	0 10	0 10	0 10	0 11	10
2	8	8	9	9	9	9	9	9	10	11	9
3	8	8	8	8	9	9	9	9	9	10	8
4	7	7	8	8	8	8	8	8	8	9	7
5	6	7	7	7	7	8	8	8	8	8	6
6	0 6	0 6	0 6	0 7	0 7	0 7	0 7	0 7	0 7	0 7	5
7	5	5	5	5	6	6	6	7	7	6	4
8	5	5	5	5	5	5	6	6	6	6	3
9	4	4	4	4	4	4	5	5	6	5	2
10	3	3	3	3	3	4	4	5	5	5	1
P.	1 20	1 22	1 24	1 26	1 28	1 30	1 32	1 34	1 36	1 38	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 11	0 11	0 11	0 11	0 12	0 12	0 12	0 12	0 12	0 12	10
2	11	10	11	11	11	11	11	12	12	12	9
3	10	10	10	10	10	11	11	11	11	12	8
4	9	9	9	10	10	10	10	10	11	11	7
5	8	8	9	9	9	9	10	10	10	10	6
6	0 7	0 8	0 8	0 8	0 8	0 9	0 9	0 9	0 9	0 10	5
7	7	7	7	8	8	8	8	8	9	9	4
8	6	7	7	7	7	7	8	8	8	8	3
9	6	6	6	6	7	7	7	7	7	7	2
10	5	6	6	6	6	6	6	7	7	7	1
P.	1 40	1 42	1 44	1 46	1 48	1 50	1 52	1 54	1 56	1 58	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 13	0 13	0 13	0 13	0 13	0 13	0 14	0 14	0 14	0 14	10
2	12	12	13	13	13	13	13	13	14	14	9
3	12	12	12	12	12	12	13	13	13	13	8
4	11	11	11	11	12	12	12	12	12	13	7
5	10	11	11	11	11	11	11	12	12	12	6
6	0 10	0 10	0 10	0 10	0 11	0 11	0 11	0 11	0 11	0 12	5
7	9	9	9	10	10	10	10	11	11	11	4
8	8	9	9	9	9	10	10	10	10	10	3
9	8	8	8	9	9	9	9	9	10	10	2
10	7	7	8	8	8	9	9	9	9	9	1

Ta-

## Tabula III.

Epemeris ☿

P.	2	0	2	2	2	4	2	6	2	8	2	10	2	12	2	14	2	16	2	18	
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	15	0	15	0	15	0	15	0	16	0	16	0	16	0	16	0	16	0	16	10
2		14		14		14		15		15		15		16		16		16		16	9
3		13		14		14		14		14		15		15		15		15		16	8
4		13		13		13		14		14		14		14		14		15		15	7
5		12		12		13		13		13		13		13		14		14		14	6
6	0	12	0	12	0	12	0	12	0	12	0	13	0	13	0	13	0	13	0	13	5
7		11		11		12		12		12		12		12		12		13		13	4
8		11		11		11		11		11		11		11		12		12		12	3
9		10		10		10		10		11		11		11		11		11		12	2
10		9		10		10		10		10		11		11		11		11		11	1
P.	2	20	2	22	2	24	2	26	2	28	2	30	2	32	2	34	2	36	2	38	D
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	17	0	17	0	17	0	17	0	17	0	18	0	18	0	18	0	18	0	18	10
2		16		16		16		17		16		17		17		17		17		17	9
3		16		16		16		16		16		17		17		17		17		17	8
4		15		15		15		15		16		16		16		16		16		16	7
5		14		14		15		15		15		16		15		16		16		16	6
6	0	14	0	14	0	14	0	14	0	15	0	15	0	15	0	15	0	15	0	16	5
7		13		13		14		14		14		14		14		15		15		15	4
8		12		13		13		13		14		13		14		14		14		15	3
9		12		12		12		13		13		12		13		13		14		14	2
10		11		11		12		12		12		12		13		13		14		14	1
P.	2	40	2	42	2	44	2	46	2	48	2	50	2	52	2	54	2	56	2	58	D
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	18	0	18	0	18	0	18	0	18	0	19	0	19	0	19	0	19	0	19	10
2		18		18		18		18		18		18		19		19		19		19	9
3		17		17		18		18		17		18		18		19		19		19	8
4		17		17		17		17		18		17		18		18		18		18	7
5		16		17		17		17		18		17		17		18		18		18	6
6	0	16	0	16	0	16	0	17	0	17	0	17	0	17	0	17	0	17	0	18	5
7		15		16		16		16		16		17		17		17		17		17	4
8		15		15		15		16		16		16		16		16		17		17	3
9		14		14		15		15		15		16		16		16		16		17	2
10		14		14		14		14		15		15		15		16		16		16	1

## Tabula III.

Epemeris ♂																					
P.	3	0	3	2	3	4	3	6	3	8	3	10	3	12	2	14	3	16	3	18	
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	20	0	20	0	21	0	21	0	21	0	21	0	21	0	21	0	21	0	22	10
2		19		20		20		20		20		20		20		20		21		21	9
3		19		20		20		20		20		20		20		20		20		21	8
4		19		19		19		20		20		20		20		20		20		20	7
5		18		19		19		19		19		19		19		20		20		20	6
6	0	18	0	18	0	18	0	18	0	19	0	19	0	19	0	19	0	19	0	20	5
7		17		17		18		18		18		19		19		19		19		19	4
8		17		17		17		17		18		18		19		19		19		19	3
9		17		16		16		17		17		17		18		18		19		18	2
10		16		16		16		16		16		17		17		18		18		18	1
P.	3	20	3	22	3	24	3	26	3	28	3	30	3	32	3	34	3	36	3	38	D.
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	22	0	22	0	22	0	22	0	22	0	22	0	23	0	23	0	23	0	23	10
2		22		22		22		22		22		22		22		23		23		23	9
3		21		21		21		22		21		22		22		22		23		23	8
4		21		21		21		21		21		21		22		22		22		22	7
5		20		20		21		21		21		21		21		21		22		22	6
6	0	20	0	20	0	20	0	20	0	21	0	21	0	21	0	21	0	21	0	22	5
7		19		20		20		20		20		21		21		21		21		21	4
8		19		19		19		20		20		20		20		21		21		21	3
9		18		19		19		19		20		20		20		20		20		21	2
10		18		18		19		19		20		20		20		20		20		20	1
P.	3	40	3	42	3	44	3	46	3	48	3	50	3	52	3	54	3	56	3	58	D.
D.	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	
1	0	23	0	23	0	24	0	24	0	24	0	24	0	24	0	25	0	25	0	25	10
2		23		23		23		24		24		24		24		24		24		25	9
3		23		23		23		23		24		24		24		24		24		24	8
4		23		23		23		23		23		24		24		24		24		24	7
5		22		23		23		23		23		23		23		24		24		24	6
6	0	22	0	22	0	22	0	23	0	23	0	23	0	23	0	23	0	23	0	24	5
7		21		22		22		22		22		22		23		23		23		23	4
8		21		21		22		22		22		22		23		23		23		23	3
9		21		21		21		21		22		22		22		22		23		23	2
10		21		21		21		21		21		22		22		22		23		23	1

## Tabula III.

Ephemeris ☿

P.	4 0	4 2	4 4	4 6	4 8	4 10	4 12	4 14	4 16	4 18	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 25	0 25	0 26	0 26	0 26	0 26	0 27	0 27	0 27	0 27	10
2	25	25	25	26	26	26	26	27	27	27	9
3	25	25	25	25	25	26	26	26	26	27	8
4	24	25	25	25	25	25	26	26	26	26	7
5	24	24	24	25	25	25	25	26	26	26	6
6	0 24	0 24	0 24	0 24	0 25	0 25	0 25	0 25	0 25	0 26	5
7	24	24	24	24	24	25	25	25	25	25	4
8	23	24	24	24	24	24	24	24	25	25	3
9	23	23	24	24	24	24	24	24	25	25	2
10	23	23	23	23	24	24	24	24	24	24	1
P.	4 20	4 22	4 24	4 26	4 28	4 30	4 32	4 34	4 36	4 38	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 27	0 27	0 28	0 28	0 28	0 28	0 28	0 28	0 28	0 29	10
2	27	27	27	28	28	28	28	28	28	28	9
3	27	27	27	27	27	28	28	28	28	28	8
4	26	27	27	27	27	27	28	28	28	28	7
5	26	26	27	27	27	27	27	28	28	28	6
6	0 26	0 26	0 26	0 26	0 27	0 27	0 27	0 27	0 28	0 28	5
7	26	26	26	26	26	27	27	27	27	28	4
8	25	25	26	26	26	26	27	27	27	27	3
9	25	25	25	26	26	26	26	27	27	27	2
10	25	25	25	25	26	26	26	26	27	27	1
P.	4 40	4 42	4 44	4 46	4 48	4 50	4 52	4 54	4 56	4 58	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 29	0 29	0 29	0 29	0 30	0 30	0 30	0 30	0 31	0 30	10
2	29	29	29	29	29	29	29	30	30	31	9
3	28	29	29	29	29	29	30	30	30	30	8
4	28	28	29	29	29	29	29	29	30	30	7
5	28	28	28	29	29	29	29	30	29	30	6
6	0 28	0 28	0 28	0 29	0 29	0 29	0 29	0 29	0 30	0 30	5
7	28	28	28	28	29	29	29	29	29	29	4
8	28	28	28	28	28	29	29	29	29	30	3
9	27	28	28	28	28	29	29	29	29	29	2
10	27	27	28	28	28	28	29	29	29	29	1

Ta-

## Tabula III.

Ephemeris ☿

P.	5 0	5 2	5 4	5 6	5 8	5 10	5 12	5 14	5 16	5 18	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	.
1	0 31	0 31	0 32	0 31	32	0 32	0 32	0 32	0 32	0 32	10
2	30	31	31	32	31	32	32	32	32	32	9
3	31	30	31	31	32	31	32	32	32	32	8
4	30	31	30	31	31	32	31	31	32	32	7
5	30	30	31	30	31	31	32	32	31	32	6
6	0 30	0 30	0 30	0 31	0 30	0 31	0 31	0 31	0 32	0 32	5
7	30	30	30	30	31	30	31	32	31	31	4
8	29	30	30	30	30	31	30	31	32	32	3
9	30	29	30	30	30	30	31	31	31	31	2
10	29	30	29	30	30	30	30	30	31	32	1
P.	5 20	5 22	5 24	5 26	5 28	5 30	5 32	5 34	5 36	5 38	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 32	0 33	0 33	0 33	0 33	0 34	0 34	0 34	0 34	0 34	10
2	32	32	33	33	33	33	33	34	34	34	9
3	32	33	33	33	33	33	33	34	34	34	8
4	32	32	32	33	33	33	33	33	34	34	7
5	32	32	33	33	33	33	33	34	34	34	6
6	0 32	0 32	0 32	0 32	0 33	0 33	0 33	0 33	0 33	0 34	5
7	32	32	32	33	33	33	33	33	34	34	4
8	32	32	32	32	33	33	33	33	33	33	3
9	32	32	32	32	33	32	33	33	33	34	2
10	32	32	32	32	32	33	33	33	33	33	1
P.	5 40	5 42	5 44	5 46	5 48	5 50	5 52	5 54	5 56	5 58	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 35	0 35	0 35	0 35	0 35	0 36	0 35	0 36	0 36	0 36	10
2	34	34	34	35	35	35	36	35	36	36	9
3	34	35	35	35	35	35	35	36	35	36	8
4	34	34	34	34	35	35	36	35	36	36	7
5	34	34	35	35	35	35	35	36	35	36	6
6	0 34	0 34	0 34	0 34	0 35	0 35	0 35	0 35	0 36	0 36	5
7	34	34	34	35	34	35	35	36	35	35	4
8	34	34	35	34	35	35	35	35	36	36	3
9	34	34	34	35	34	34	35	35	36	35	2
10	33	34	34	34	35	35	35	35	35	36	1



# Tabula III.

273

Epemeris ☿

P.	6 0	6 2	6 4	6 6	6 8	6 10	6 12	6 14	6 16	6 18	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 36	0 37	0 37	0 37	0 37	0 37	0 38	0 38	0 38	0 38	10
2	36	36	37	37	37	37	37	38	38	38	9
3	36	36	36	37	37	37	37	38	38	38	8
4	36	37	36	36	37	37	38	37	38	38	7
5	36	36	37	37	37	37	37	38	37	38	6
6	0 36	0 36	0 36	0 36	0 37	0 37	0 37	0 37	0 38	0 38	5
7	36	36	37	37	37	37	37	37	37	37	4
8	36	36	36	37	36	37	37	37	38	38	3
9	36	36	36	36	37	37	37	37	37	37	2
10	36	36	36	36	36	37	37	37	37	38	1
P.	6 20	6 22	6 24	6 26	6 28	6 30	6 32	6 34	6 36	6 38	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 38	0 39	0 39	0 39	0 39	0 39	0 40	0 40	0 40	0 40	10
2	38	38	39	39	39	39	39	40	40	40	9
3	38	39	39	39	39	39	40	40	40	40	8
4	38	38	38	39	39	39	39	39	40	40	7
5	38	38	39	39	39	39	39	40	40	40	6
6	0 38	0 38	0 38	0 38	0 39	0 39	0 39	0 39	0 39	0 40	5
7	38	38	38	39	39	39	39	39	40	40	4
8	38	38	38	38	38	39	39	39	39	39	3
9	38	38	38	38	39	39	39	39	39	40	2
10	38	38	38	38	38	39	39	39	39	39	1
P.	6 40	6 42	6 44	6 46	6 48	6 50	6 52	6 54	6 56	6 58	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 40	0 41	0 41	0 41	0 41	0 41	0 42	0 42	0 42	0 42	10
2	40	40	41	41	41	41	41	42	42	42	9
3	40	41	41	41	41	41	42	42	42	42	8
4	40	40	40	41	41	41	41	41	42	42	7
5	40	40	41	41	41	41	41	42	42	42	6
6	0 40	0 40	0 40	0 40	0 41	0 41	0 41	0 41	0 41	0 42	5
7	40	40	40	41	41	41	41	41	42	42	4
8	40	40	40	40	40	41	41	41	41	41	3
9	40	40	40	40	41	41	41	41	41	42	2
10	40	40	40	40	40	41	41	41	41	41	1

M m

Ta-

## Tabula III.

Epemeris ♂												
P.	7 0	7 2	7 4	7 6	7 8	7 10	7 12	7 14	7 16	7 18		
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	42	43	43	43	43	43	44	44	44	44	10	
2	42	42	43	43	43	43	43	44	44	44	9	
3	42	43	43	43	43	43	44	44	44	44	8	
4	42	42	42	43	43	43	43	43	44	44	7	
5	42	42	43	43	43	43	43	44	44	44	6	
6	42	42	42	42	43	43	43	43	43	44	5	
7	42	42	42	43	43	43	43	43	44	44	4	
8	42	42	42	42	42	43	43	43	43	43	3	
9	42	42	42	42	43	43	43	43	43	44	2	
10	42	42	42	42	42	43	43	43	43	43	1	
P.	7 20	7 22	7 24	7 26	7 28	7 30	7 32	7 34	7 36	7 38	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	44	45	45	45	45	45	46	46	46	46	10	
2	44	44	45	45	45	45	46	46	46	46	9	
3	44	45	45	45	45	45	46	46	46	46	8	
4	44	44	44	45	45	45	45	45	46	46	7	
5	44	44	45	45	45	45	45	46	46	46	6	
6	44	44	44	44	45	45	45	45	45	46	5	
7	44	44	44	44	45	45	45	45	46	46	4	
8	44	44	44	44	44	45	45	45	45	45	3	
9	44	44	44	44	45	45	45	45	45	46	2	
10	44	44	44	44	44	45	45	45	45	45	1	
P.	7 40	7 42	7 44	7 46	7 48	7 50	7 52	7 54	7 56	7 58	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	46	47	47	47	47	47	48	48	48	48	10	
2	46	46	47	47	47	47	47	48	48	48	9	
3	46	47	47	47	47	47	48	48	48	48	8	
4	46	46	46	47	47	47	47	47	48	48	7	
5	46	46	47	47	47	47	47	48	48	48	6	
6	46	46	46	46	47	47	47	47	47	48	5	
7	46	46	46	47	47	47	47	47	48	48	4	
8	46	46	46	46	46	47	47	47	47	47	3	
9	46	46	46	46	47	47	47	47	47	48	2	
10	46	46	46	46	46	47	47	47	47	47	1	

## Tabula III.

Ephemer. ♀

P.	0	1	2	3	4	5	6	7	8	9	
D.	0	1	1	1	1	1	1	1	1	1	
1	0	11	0	11	0	11	0	11	0	11	10
2		9		8		9		9		10	9
3		7		7		6		7		7	8
4	0	4		4		4		5		5	7
5	0	S 1		0	S 2	0	S 2	0	S 2	0	S 2
6	0	2		0	1	0	1	0	1	0	1
7		4		4		3		3		2	2
8		6		6		5		6		5	6
9		9		9		8		9		8	8
10	11		11		11		10		12		10
P.	0	10		0	12		0	14		0	16
D.	0	1		0	1		0	1		0	1
1	0	11		0	12		0	11		0	11
2		9		10		9		9		10	10
3		7		7		6		7		8	8
4		5		4		4		5		6	6
5	0	S 2		2		1		3		4	4
6	0	0		0	S 0	0	S 1	0	2	0	S 1
7		2		0	S 2	0	S 1	0	2	0	S 1
8		5		5		3		4		4	3
9		7		7		5		6		6	6
10	10		9		8		8		9		9
P.	0	30		0	32		0	34		0	36
D.	0	1		0	1		0	1		0	1
1	0	13		0	13		0	14		0	14
2		11		11		12		12		12	12
3		9		9		10		10		10	10
4		7		7		8		8		8	8
5		4		5		5		6		6	6
6	0	S 2		0	S 2	0	S 3	0	S 3	0	S 3
7	0	S 1		0	S 0	0	S 1	0	S 0	0	S 1
8		3		2		3		3		2	2
9		5		5		5		5		4	4
10	7		8		8		8		6		6

M m 2

Ta<sub>3</sub>

## Tabula III.

Ephemeris ♀												
P.	0 50	0 52	0 54	0 56	0 58	1 0	1 2	1 4	1 6	1 8		
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 15	0 15	0 15	0 15	0 16	0 16	0 17	0 17	0 17	0 17	10	
2	13	12	13	14	14	14	14	15	14	16	9	
3	11	11	11	12	12	12	12	12	12	13	8	
4	9	9	9	9	10	10	10	10	10	10	7	
5	6	7	7	7	8	8	8	8	8	8	6	
6	0 4	0 4	0 5	0 5	0 5	0 6	0 5	0 5	0 6	0 6	5	
7	0 2	0 2	0 2	0 2	0 2	0 3	2	2	3	3	4	
8	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	3	
9	3	2	2	2	3	3	2	2	1	2	2	
10	6	5	5	5	5	5	4	4	4	4	1	
P.	1 10	1 12	1 14	1 16	1 18	1 20	1 22	1 24	1 26	1 28	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 17	0 18	0 18	0 18	1 18	0 18	0 18	0 19	0 19	0 19	10	
2	15	15	16	16	16	16	16	17	17	17	9	
3	14	13	13	14	14	14	14	15	15	15	8	
4	11	11	11	11	11	12	12	13	12	13	7	
5	9	8	9	9	9	10	10	10	10	11	6	
6	0 6	0 6	0 6	0 7	0 7	0 7	0 7	0 7	0 8	0 8	5	
7	3	4	4	4	4	4	5	4	5	5	4	
8	0 1	0 2	0 1	0 2	0 2	0 2	0 3	0 2	0 2	0 2	3	
9	0 2	0 1	0 1	0 1	0 1	0 0	0 0	0 0	0 0	0 0	2	
10	0 4	4	3	4	3	3	3	3	2	2	1	
P.	1 30	1 32	1 34	1 36	1 38	1 40	1 42	1 44	1 46	1 48	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 19	0 19	0 20	0 20	0 20	0 20	0 20	0 20	0 20	0 21	10	
2	17	17	18	17	18	18	18	18	18	18	9	
3	15	15	16	15	16	16	16	16	16	16	8	
4	13	13	13	13	13	13	14	14	14	14	7	
5	11	11	11	11	11	11	12	12	12	12	6	
6	0 8	0 8	8	0 9	0 9	0 9	0 9	0 10	0 10	0 10	5	
7	5	6	6	6	6	7	7	7	8	8	4	
8	3	4	3	4	4	4	4	5	5	5	3	
9	0 1	0 1	0 1	0 2	0 2	0 2	0 2	0 2	0 3	3	2	
10	0 2	0 2	0 2	0 1	0 1	0 0	0 0	0 0	0 0	0 1	1	

## Tabula III.

Epemeris Q												
P.	1 50	1 52	1 54	1 56	1 58	2 0	2 2	2 4	2 6	2 8		
D.	0	0	0	0	0	0	0	0	0	0		
1	0 21	0 21	0 21	0 21	0 22	0 22	0 22	0 22	0 22	0 22	10	
2	19	19	19	19	20	20	20	20	20	20	9	
3	17	16	17	17	18	18	18	18	18	18	8	
4	15	14	15	15	16	15	16	16	16	16	7	
5	12	12	13	13	14	13	14	14	14	14	6	
6	0 10	0 10	0 10	0 11	0 11	0 11	0 11	0 12	0 12	0 12	5	
7	8	8	8	9	8	8	8	9	10	10	4	
8	5	6	6	6	5	7	7	7	7	8	3	
9	2	4	4	4	3	4	4	4	5	5	2	
10	0 S 1	0 S 2	0 S 1	0 S 1	0 S 1	0 S 2	0 S 2	0 S 2	0 S 2	0 S 3	1	
P.	2 10	2 12	2 14	2 16	2 18	2 20	2 22	2 24	2 26	2 28	D.	
D.	0	0	0	0	0	0	0	0	0	0		
1	0 23	0 23	0 23	0 23	0 23	0 23	0 23	0 23	0 23	0 24	10	
2	21	21	21	21	21	21	21	22	22	22	9	
3	18	19	19	19	19	19	20	21	21	21	8	
4	16	16	17	17	17	17	18	18	18	19	7	
5	14	14	15	15	15	15	15	15	16	16	6	
6	0 12	0 12	0 12	0 13	0 13	0 13	0 13	0 13	0 14	0 14	5	
7	10	10	10	11	11	11	11	11	11	11	4	
8	8	8	8	8	9	9	9	9	9	9	3	
9	5	6	6	6	6	7	7	7	7	7	2	
10	0 S 3	0 S 3	0 S 3	0 S 3	0 S 4	0 S 5	5	5	5	5	1	
P.	2 30	2 32	2 34	2 36	2 38	2 40	2 42	2 44	2 46	2 48	D.	
D.	0	0	0	0	0	0	0	0	0	0		
1	0 24	0 24	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 26	10	
2	23	23	23	23	23	23	23	23	23	24	9	
3	21	21	21	21	21	22	21	21	22	22	8	
4	18	19	19	19	19	19	19	19	19	19	7	
5	16	16	16	17	17	17	17	18	18	18	6	
6	0 14	0 14	0 14	0 15	0 15	0 15	0 15	0 16	0 16	0 16	5	
7	12	12	12	12	13	13	14	14	14	14	4	
8	10	10	10	10	11	11	12	12	12	12	3	
9	7	8	8	8	8	9	9	9	10	10	2	
10	5	5	6	6	6	6	7	7	7	7	1	

## Tabula III.

Ephemeris ♀												
P.	2 50	2 52	2 54	2 56	2 58	3 0	3 2	3 4	3 6	3 8		
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	26	27	27	27	27	27	27	27	27	27	10	
2	25	25	25	25	25	25	25	25	25	25	9	
3	22	23	23	23	23	23	23	23	24	24	8	
4	20	20	21	21	21	21	21	21	22	22	7	
5	18	18	19	19	19	19	19	20	20	20	6	
6	16	16	16	17	17	17	18	18	18	18	5	
7	14	14	14	14	15	15	15	15	15	16	4	
8	12	12	12	12	13	13	13	13	13	14	3	
9	10	10	10	10	10	11	11	12	12	12	2	
10	7	7	7	8	8	9	10	10	10	10	1	
P.	3 10	3 12	3 14	3 16	3 18	3 20	3 22	3 24	3 26	3 28	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	28	28	28	28	28	29	29	29	29	29	10	
2	26	26	26	26	27	27	27	27	27	27	9	
3	24	25	25	25	25	25	25	25	25	25	8	
4	22	23	24	24	23	23	23	23	23	23	7	
5	20	20	21	22	21	21	21	21	21	21	6	
6	18	18	18	19	19	19	20	20	20	20	5	
7	16	16	16	16	17	17	18	19	19	19	4	
8	14	14	14	14	15	15	15	16	17	17	3	
9	12	12	12	12	12	13	13	13	14	15	2	
10	10	10	10	10	11	11	11	11	11	12	1	
P.	3 30	3 32	3 34	3 36	3 38	3 40	3 42	3 44	3 46	3 48	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	29	29	29	29	29	30	30	30	31	31	10	
2	27	28	28	28	28	29	29	29	29	29	9	
3	26	26	26	26	27	28	27	27	27	27	8	
4	24	25	25	25	25	25	26	26	25	25	7	
5	22	23	24	24	24	23	24	24	24	24	6	
6	20	21	21	21	21	21	22	22	22	22	5	
7	18	18	19	19	19	19	19	20	20	20	4	
8	17	16	16	17	17	17	17	18	18	18	3	
9	15	14	14	15	15	15	15	15	16	17	2	
10	12	12	12	12	13	13	13	13	14	15	1	

# Tabula III.

279

Ephemeris ♀

P.	3 50	3 52	3 54	3 56	3 58	4 0	4 2	4 4	4 6	4 8	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	31	30	31	31	31	31	32	32	32	32	10
2	29	29	29	29	30	30	31	31	31	31	9
3	27	27	27	28	29	29	29	29	29	29	8
4	25	25	25	26	27	28	27	27	27	27	7
5	24	24	24	24	25	25	25	25	26	26	6
6	22	23	23	23	23	23	23	24	24	25	5
7	20	21	22	22	21	22	21	22	22	23	4
8	19	20	20	20	20	20	20	20	20	20	3
9	18	18	18	18	17	17	18	18	18	18	2
10	15	15	15	15	15	15	16	16	17	17	1
P.	4 10	4 12	4 14	4 16	4 18	4 20	4 22	4 24	4 26	4 28	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	32	32	33	33	33	34	34	35	35	35	10
2	31	31	31	31	32	32	33	33	34	34	9
3	29	29	29	29	30	30	31	31	32	32	8
4	27	28	28	28	28	28	29	29	29	29	7
5	26	26	27	27	27	27	27	27	27	27	6
6	25	25	25	26	26	26	25	25	25	25	5
7	23	24	24	24	24	24	24	24	24	24	4
8	21	21	21	22	22	22	22	22	22	22	3
9	19	19	19	19	19	20	20	20	20	21	2
10	17	17	17	17	17	17	17	18	18	19	1
P.	4 30	4 32	4 34	4 36	4 38	4 40	4 42	4 44	4 46	4 48	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	35	35	35	35	34	34	35	36	36	36	10
2	34	34	34	33	33	33	33	34	34	35	9
3	32	32	32	32	32	32	32	32	32	33	8
4	30	30	30	30	31	31	31	31	31	31	7
5	28	28	28	29	29	29	29	29	29	29	6
6	25	26	26	27	28	28	28	28	28	28	5
7	24	24	25	26	26	26	26	26	27	27	4
8	22	23	23	23	24	25	25	25	25	25	3
9	21	21	21	21	21	22	23	23	23	23	2
10	19	19	20	20	20	20	20	21	21	21	1

Ta.

## Tabula III.

Ephemeris ♀

P.	4 50	4 52	4 54	4 56	4 58	5 0	5 2	5 4	5 6	5 8	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 36	0 36	0 36	0 36	0 37	0 37	0 37	0 37	0 36	0 38	10
2	35	35	35	35	35	36	36	36	37	37	9
3	33	34	34	34	34	35	35	35	35	36	8
4	32	32	33	33	33	33	34	34	34	35	7
5	30	30	31	32	32	31	32	32	32	32	6
6	0 28	0 29	0 29	0 30	0 30	0 29	0 29	0 30	0 30	0 30	5
7	27	27	27	27	28	27	27	28	28	28	4
8	25	25	25	25	25	26	26	26	26	26	3
9	23	23	23	23	23	24	24	24	24	24	2
10	21	21	21	21	21	22	22	22	22	22	1
	5 10	5 12	5 14	5 16	5 18	5 20	5 22	5 24	5 26	5 28	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 30	0 38	0 38	0 38	0 38	0 38	0 38	0 38	0 38	0 39	10
2	37	37	37	37	37	37	37	37	37	38	9
3	36	36	36	36	36	36	36	36	36	36	8
4	34	34	35	35	35	35	35	35	35	35	7
5	32	32	33	34	34	34	34	34	34	34	6
6	0 30	0 31	0 31	0 31	0 32	0 32	0 33	0 33	0 33	0 33	5
7	28	29	29	29	29	30	31	31	32	32	4
8	27	27	27	27	27	28	28	29	29	29	3
9	25	25	25	25	26	26	26	27	27	27	2
10	23	23	23	24	24	24	24	24	25	25	1
P.	5 30	5 32	5 34	5 36	5 38	5 40	5 42	5 44	5 46	5 48	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 39	0 39	0 39	0 39	0 39	0 40	0 40	0 40	0 40	0 40	10
2	38	38	38	38	38	38	39	39	39	39	9
3	37	37	37	37	37	37	38	38	38	38	8
4	36	36	36	36	36	36	37	37	37	37	7
5	35	35	35	35	35	35	36	36	36	36	6
6	0 33	0 34	0 34	0 34	0 34	0 34	0 34	0 34	0 35	0 35	5
7	31	32	32	33	33	33	32	33	33	34	4
8	29	29	30	30	31	31	30	31	31	31	3
9	27	27	28	28	29	29	29	29	29	30	2
10	25	25	25	26	26	27	27	27	28	28	1

Ta.



## Tabula III.

Ephemeris Q

P.	5 50	5 52	5 54	5 56	5 58	6 0	6 2	6 4	6 6	6 8	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 40	0 40	0 41	0 41	0 41	0 42	0 42	0 42	0 42	0 42	10
2	39	39	40	40	40	41	41	41	41	41	9
3	38	38	38	39	39	40	40	40	40	40	8
4	37	37	37	38	38	38	38	39	39	39	7
5	36	36	36	36	37	37	37	37	37	38	6
6	0 35	0 35	0 35	0 35	0 36	0 36	0 36	0 36	0 36	0 36	5
7	34	34	34	34	34	34	34	35	35	35	4
8	32	33	33	33	33	32	33	33	33	34	3
9	31	31	31	31	31	31	31	31	32	32	2
10	28	29	29	29	29	29	30	30	31	31	1
P.	6 10	6 12	6 14	6 16	6 18	6 20	6 22	6 24	6 26	6 28	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 42	0 42	0 43	0 43	0 43	0 44	0 44	0 44	0 44	0 44	10
2	41	41	41	42	42	42	42	43	43	43	9
3	40	40	40	41	41	41	41	42	42	42	8
4	39	39	39	40	40	40	40	40	41	41	7
5	38	38	38	38	39	39	39	39	39	40	6
6	0 37	0 37	0 37	0 37	0 38	0 38	0 38	0 38	0 38	0 38	5
7	35	36	36	36	36	36	37	37	37	37	4
8	34	35	35	34	34	35	35	35	36	36	3
9	33	33	33	33	33	33	34	34	34	34	2
10	31	31	32	32	32	32	32	32	32	33	1
P.	6 30	6 32	6 34	6 36	6 38	6 40	6 42	6 44	6 46	6 48	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	0 44	0 44	0 44	0 45	0 45	0 45	0 46	0 46	0 46	0 46	10
2	43	43	43	44	44	44	45	45	45	45	9
3	42	42	42	42	43	43	43	44	44	44	8
4	41	41	41	41	42	42	42	42	43	43	7
5	40	40	40	40	40	41	41	41	41	42	6
6	0 39	0 39	0 39	0 39	0 39	0 40	0 40	0 40	0 40	0 40	5
7	38	38	38	38	38	38	38	39	39	39	4
8	36	37	37	37	37	37	37	37	38	38	3
9	34	35	36	36	36	36	36	36	36	36	2
10	33	33	34	34	34	34	34	34	34	35	1

N n

Ta.

## Tabula III.

Epemeris ♀											
P.	6 50	6 52	6 54	6 56	6 58	7 0	7 2	7 4	7 6	7 8	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	46	46	47	47	47	47	47	47	47	47	10
2	45	45	46	46	46	47	46	46	46	46	9
3	44	44	44	45	45	46	45	45	45	46	8
4	43	43	43	44	44	44	44	44	44	45	7
5	42	42	42	42	43	43	43	43	43	44	6
6	41	41	41	41	42	42	42	42	42	42	5
7	39	40	40	40	40	40	41	41	41	41	4
8	38	39	39	39	39	39	40	40	40	40	3
9	37	37	37	37	37	37	38	39	40	39	2
10	35	35	35	35	35	35	36	37	38	38	1
P.	7 10	7 12	7 14	7 16	7 18	7 20	7 22	7 24	7 26	7 28	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	48	48	48	48	48	49	48	48	48	48	10
2	47	47	47	47	48	48	47	47	47	47	9
3	46	46	46	46	47	47	46	46	46	47	8
4	45	45	45	46	46	46	46	46	46	46	7
5	44	44	44	44	44	45	45	45	45	45	6
6	42	43	43	43	43	43	44	45	45	45	5
7	41	42	42	42	42	42	43	44	44	44	4
8	40	40	41	41	41	41	42	42	43	43	3
9	39	39	40	40	40	40	41	41	42	42	2
10	38	38	38	39	39	39	40	40	40	41	1
P.	7 30	7 32	7 34	7 36	6 38	7 40	7 42	7 44	7 46	7 48	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	49	49	49	49	49	49	50	50	51	51	10
2	48	48	49	48	48	48	49	50	50	50	9
3	47	47	48	47	48	48	48	49	49	49	8
4	46	47	47	47	47	47	48	48	48	48	7
5	45	46	46	46	46	47	47	47	48	48	6
6	45	45	45	45	46	46	46	46	46	47	5
7	44	44	44	45	45	46	45	45	45	46	4
8	43	43	43	44	44	44	44	44	44	44	3
9	42	42	42	43	43	43	43	43	43	43	2
10	41	41	41	42	42	42	42	42	42	42	1

## Tabula III.

Ephemeris Q

P.	7 50	7 52	7 54	7 56	7 58	8 0	8 2	8 4	8 6	8 8	
D.	0	0	0	0	0	0	0	0	0	0	
1	51	51	52	52	52	52	52	52	52	52	10
2	50	51	51	51	51	52	51	52	52	52	9
3	50	50	50	51	51	51	50	51	52	52	8
4	49	49	49	49	50	50	50	50	51	50	7
5	48	48	48	48	49	49	49	49	49	49	6
6	47	47	47	47	47	48	48	48	48	48	5
7	46	46	46	46	46	46	47	47	47	47	4
8	44	45	45	45	45	45	46	46	46	47	3
9	43	43	44	44	44	44	45	45	45	46	2
10	42	42	42	43	43	43	44	44	44	45	1
P.	8 10	8 12	8 14	8 16	8 18	8 20	8 22	8 24	8 26	8 28	D.
D.	0	0	0	0	0	0	0	0	0	0	
1	52	53	53	53	53	53	53	53	53	53	10
2	52	52	52	53	52	53	53	53	53	53	9
3	51	51	52	52	52	52	53	52	52	53	8
4	50	51	51	51	51	51	52	51	52	52	7
5	50	50	51	51	50	51	51	51	51	52	6
6	49	49	49	50	50	50	50	50	51	51	5
7	48	48	48	48	49	49	49	50	50	50	4
8	47	47	47	47	48	48	48	49	49	49	3
9	46	46	46	46	47	47	47	48	48	48	2
10	45	45	45	45	46	46	46	47	47	47	1
P.	8 30	8 32	8 34	8 6	8 38	8 40	8 42	8 44	8 46	8 48	D.
D.	0	0	0	0	0	0	0	0	0	0	
1	54	54	54	54	54	54	54	54	55	55	10
2	53	53	54	54	54	54	54	54	54	55	9
3	53	53	53	53	53	53	54	54	54	54	8
4	52	52	52	52	53	53	53	53	53	53	7
5	51	52	52	52	52	52	53	53	53	53	6
6	51	51	51	51	52	52	52	52	53	52	5
7	50	50	51	51	51	52	51	52	52	52	4
8	49	50	50	50	50	51	51	51	52	52	3
9	49	49	49	50	50	50	50	51	51	51	2
10	48	48	48	49	49	49	50	50	50	51	1

## Tabula III.

Ephemeris Q												
P.	8 50	8 52	8 54	8 56	8 58	9 0	9 2	9 4	9 6	9 8		
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 55	0 55	0 56	0 56	0 56	0 56	0 56	0 56	0 57	0 57	10	
2	55	55	55	56	56	56	56	56	56	56	9	
3	54	54	55	55	55	55	56	56	56	56	8	
4	54	54	54	55	55	55	55	55	55	56	7	
5	53	53	54	54	54	54	55	55	55	55	6	
6	0 53	0 53	0 53	0 53	0 53	0 54	0 54	0 54	0 54	0 55	5	
7	52	53	52	52	53	53	53	54	54	54	4	
8	52	52	52	52	52	53	53	53	53	53	3	
9	51	52	52	52	52	52	52	53	53	53	2	
10	51	51	51	51	52	52	52	52	53	53	1	
P.	9 10	9 12	9 14	9 16	9 18	9 20	9 22	9 24	9 26	9 28	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 57	0 57	0 57	0 57	0 58	0 58	0 58	0 58	0 59	0 59	10	
2	57	57	57	57	57	58	58	58	58	58	9	
3	56	56	57	57	57	57	57	58	58	58	8	
4	56	56	56	56	56	57	57	57	57	57	7	
5	55	55	56	56	56	56	56	57	57	57	6	
6	0 55	0 55	0 55	0 55	0 56	0 56	0 56	0 56	0 57	0 57	5	
7	54	55	55	55	55	55	56	56	56	56	4	
8	54	54	54	55	55	55	55	55	56	56	3	
9	53	54	54	54	54	54	55	55	55	55	2	
10	53	53	53	53	54	54	54	54	54	55	1	
P.	9 30	9 32	9 34	9 36	9 38	9 40	9 42	9 44	9 46	9 48	D.	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1		
1	0 59	0 59	0 59	0 59	0 59	1 0	1 0	1 0	1 0	1 0	10	
2	59	59	59	59	59	0 59	1 0	1 0	0	0	9	
3	58	58	58	59	59	59	0 59	0 59	0	0	8	
4	58	58	58	58	58	59	59	59	0 59	0	7	
5	57	57	58	58	58	58	58	59	59	0 59	6	
6	0 57	0 57	0 57	0 57	0 58	0 58	0 58	0 58	0 58	0 59	5	
7	56	57	57	57	57	57	58	58	58	58	4	
8	56	56	57	57	57	57	57	57	58	58	3	
9	55	56	56	56	57	57	57	57	57	57	2	
10	55	55	55	56	56	56	56	57	57	57	1	

## Tabula III.

## Epemeris Q

P.	9 50	9 52	9 54	9 56	9 58	10 0	10 2	10 4	10 6	10 8	
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	1 0	1 1	1 1	1 1	1 1	1 1	1 2	1 2	1 2	1 2	10
2	0	0	0	0	0	0	0	0	0	0	9
3	0	0	0	0	0	0	0	0	0	0	8
4	0	0	0	0	0	0	0	0	0	0	7
5	0 59	59	0	0	0	0	0	0	0	0	6
6	0 59	0 59	1 59	1 59	1 0	1 0	1 0	1 0	1 0	1 0	5
7	59	59	59	59	0 59	0 59	0 59	0 59	0 59	0 59	4
8	58	58	59	59	59	59	59	59	59	59	3
9	58	58	58	58	59	59	59	59	59	59	2
10	57	58	58	58	58	59	59	59	59	59	1

P.	10 10	10 12	10 14	10 16	10 18	10 20	10 22	10 24	10 26	10 28	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	1 2	1 2	1 3	1 3	1 3	1 3	1 4	1 4	1 4	1 4	10
2	2	2	2	3	3	3	3	3	3	3	9
3	2	2	2	2	3	3	3	3	3	3	8
4	1	2	2	2	2	3	3	3	3	3	7
5	1	1	1	2	2	2	2	3	3	3	6
6	1 1	1 1	1 1	1 1	1 2	1 2	1 2	1 2	1 3	1 3	5
7	1	1	1	1	1	2	2	2	2	2	4
8	0	1	1	1	1	1	1	2	2	2	3
9	0	0	0	1	1	1	1	1	1	1	2
10	0	0	0	0	0	1	1	1	1	1	1

P.	10 30	10 32	10 34	10 36	10 38	10 40	10 42	10 44	10 46	10 48	D.
D.	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	
1	1 4	1 4	1 5	1 5	1 5	1 5	1 5	1 5	1 5	1 6	10
2	4	4	4	4	5	5	5	5	5	5	9
3	4	4	4	4	4	5	5	5	5	5	8
4	3	4	4	4	4	4	5	5	5	5	7
5	3	3	4	4	4	4	4	5	5	5	6
6	1 3	1 3	1 3	1 3	1 4	1 4	1 4	1 4	1 5	1 5	5
7	3	3	3	3	3	4	4	4	4	5	4
8	2	3	3	3	3	3	4	4	4	4	3
9	2	2	2	3	3	3	3	4	4	4	2
10	2	2	2	3	3	3	3	3	4	4	1

## Tabula III.

Ephemeris Q												
P.	10 50	10 52	10 54	10 56	10 58	11 0	11 2	11 4	11 6	11 8		
D.	0	1	0	1	0	1	0	1	0	1	0	1
1	6	6	6	7	7	7	7	7	7	7	8	10
2	6	6	6	6	7	7	7	7	7	7	7	9
3	5	6	6	6	6	7	7	7	7	7	7	8
4	5	5	6	6	6	6	7	7	7	7	7	7
5	5	5	5	6	6	6	6	7	7	7	7	6
6	5	5	5	5	6	6	6	6	7	7	7	5
7	5	5	5	5	5	6	6	6	6	6	7	4
8	5	5	5	5	5	5	6	6	6	6	6	3
9	4	5	5	5	5	5	5	6	6	6	6	2
10	4	4	5	5	5	5	5	5	6	6	6	1
P.	11 10	11 12	11 14	11 16	11 18	11 20	11 22	11 24	11 26	11 28		
D.	0	1	0	1	0	1	0	1	0	1	0	1
1	8	8	8	8	9	9	9	9	9	9	9	10
2	8	8	8	8	8	9	9	9	9	9	9	9
3	7	8	8	8	8	8	9	9	9	9	9	8
4	7	7	8	8	8	8	8	9	9	9	9	7
5	7	7	7	8	8	8	8	8	9	9	9	6
6	7	7	7	8	8	8	8	8	9	9	9	5
7	7	7	7	7	8	8	8	8	8	8	9	4
8	7	7	7	7	7	8	8	8	8	8	8	3
9	6	7	7	7	7	7	8	8	8	8	9	2
10	6	6	7	7	7	7	7	8	8	8	8	1
P.	11 30	11 32	11 34	11 36	11 38	11 40	11 42	11 44	11 46	11 48		
D.	0	1	0	1	0	1	0	1	0	1	0	1
1	9	10	10	10	10	10	11	11	11	11	10	
2	9	10	10	10	10	10	11	11	11	11	9	
3	9	9	10	10	10	10	10	11	11	11	8	
4	9	9	10	10	10	10	10	11	11	11	7	
5	9	9	9	10	10	10	10	10	11	11	6	
6	9	9	9	10	10	10	10	10	11	11	5	
7	9	9	9	9	10	10	10	10	10	11	4	
8	9	9	9	9	10	10	10	10	10	10	3	
9	9	9	9	9	9	10	10	10	10	10	2	
10	9	9	9	9	9	10	10	10	10	10	1	

## Tabula III.

## Ephemeris Q

P.	11 50	11 52	11 54	11 56	11 58	12 0	12 2	12 4	12 6	12 8	
D.	0	1	0	1	0	1	0	1	0	1	
1	1	11	1	12	1	12	1	12	1	13	10
2		11		12		12		12		13	9
3		11		11		12		12		13	8
4		11		11		12		12		13	7
5		11		11		12		12		13	6
6	1	11	1	11	1	12	1	12	1	12	5
7		11		11		11		12		13	4
8		11		11		11		12		12	3
9		11		11		11		12		12	2
10		11		11		11		12		12	1
P.	12 10	12 12	12 14	12 16	12 18	12 20	12 22	12 24	12 26	12 28	D.
D.	0	1	0	1	0	1	0	1	0	1	
1	1	13	1	14	1	14	1	15	1	15	10
2		13		13		14		14		15	9
3		13		14		14		15		15	8
4		13		13		14		14		14	7
5		13		13		14		14		15	6
6	1	13	1	13	1	14	1	14	1	14	5
7		13		13		14		14		15	4
8		13		13		13		14		15	3
9		13		13		13		14		14	2
10		13		13		13		14		15	1
P.	12 30	12 32	12 33	12 34	12 35	12 36	12 37	12 38	12 39	12 40	D.
D.	0	1	0	1	0	1	0	1	0	1	
1	1	15	1	15	1	16	1	16	1	16	10
2		15		15		15		15		16	9
3		15		15		16		16		16	8
4		15		15		15		15		16	7
5		15		15		15		16		15	6
6	1	15	1	16	1	15	1	16	1	16	5
7		15		15		16		15		16	4
8		15		15		15		16		16	3
9		15		15		15		16		16	2
10		15		16		15		16		16	1

Ta.

## Tabula Ultima.

Logarithmica]

Min.	0	1	2	3	4	5	6
Part.	0	60	120	180	240	300	360
0	0	1.77815	2.07918	2.25527	2.38021	2.47712	2.59610
1	0.00000	1.78533	2.08278	2.25768	2.38202	2.47857	2.55751
2	0.30103	1.79239	2.08636	2.26007	2.38382	2.48001	2.55871
3	0.47712	1.79924	2.08991	2.26245	2.38561	2.48144	2.55991
4	0.60206	1.80618	2.09342	2.26482	2.38739	2.48287	2.56110
5	0.69897	1.81291	2.09691	2.26717	2.38917	2.48430	2.56229
6	0.77815	1.81954	2.10037	2.26951	2.39094	2.48572	2.56348
7	0.84510	1.82607	2.10380	2.27184	2.39270	2.48713	2.56467
8	0.90309	1.83251	2.10721	2.27416	2.39445	2.48855	2.56585
9	0.95424	1.83885	2.11059	2.27646	2.39620	2.48996	2.56703
10	1.00000	1.84510	2.11394	2.27875	2.39794	2.49136	2.56820
11	1.04139	1.85126	2.11727	2.28103	2.39967	2.49276	2.56937
12	1.07918	1.85733	2.12057	2.28330	2.40140	2.49415	2.57054
13	1.11394	1.86332	2.12385	2.28556	2.40312	2.49554	2.57171
14	1.14613	1.86923	2.12710	2.28780	2.40483	2.49693	2.57287
15	1.17609	1.87506	2.13033	2.29003	2.40654	2.49831	2.57403
16	1.20412	1.88081	2.13354	2.29226	2.40824	2.49969	2.57519
17	1.23045	1.88649	2.13672	2.29447	2.40993	2.50106	2.57634
18	1.25527	1.89209	2.13988	2.29667	2.41162	2.50243	2.57749
19	1.27875	1.89763	2.14301	2.29885	2.41330	2.50379	2.57864
20	1.30103	1.90309	2.14613	2.30103	2.41497	2.50515	2.57978
21	1.32222	1.90849	2.14922	2.30320	2.41664	2.50651	2.58093
22	1.34242	1.91381	2.15229	2.30535	2.41830	2.50786	2.58206
23	1.36173	1.91908	2.15534	2.30750	2.41996	2.50920	2.58320
24	1.38021	1.92428	2.15836	2.30963	2.42160	2.51055	2.58433
25	1.39794	1.92942	2.16137	2.31175	2.42325	2.51188	2.58546
26	1.41497	1.93450	2.16435	2.31387	2.42488	2.51322	2.58659
27	1.43136	1.93952	2.16732	2.31597	2.42651	2.51455	2.58771
28	1.44716	1.94448	2.17026	2.31806	2.42813	2.51587	2.58883
29	1.46240	1.94939	2.17319	2.32015	2.42975	2.51720	2.58995
30	1.47712	1.95424	2.17609	2.32222	2.43136	2.51851	2.59106



## Tabula Ultima.

Logarithmica.

Min.	0	1	2	3	4	5	6
Par.	0	60	120	180	240	300	360
30	1.47712	1.95424	2.17609	2.32222	2.43136	2.51851	2.59106
31	1.49136	1.95904	2.17898	2.32428	2.43297	2.51983	2.59218
32	1.50515	1.96379	2.18184	2.32634	2.43457	2.52114	2.59349
33	1.51851	1.96848	2.18469	2.32838	2.43616	2.52244	2.59439
34	1.53148	1.97313	2.18752	2.33041	2.43775	2.52375	2.59550
35	1.54407	1.97772	2.19033	2.33244	2.43933	2.52504	2.59660
36	1.55630	1.98227	2.19312	2.33445	2.44091	2.52634	2.59770
37	1.56820	1.98677	2.19590	2.33646	2.44248	2.52763	2.59879
38	1.57978	1.99123	2.19866	2.33846	2.44404	2.52892	2.59988
39	1.59106	2.99563	2.20140	2.34044	2.44560	2.53020	2.60097
40	1.60206	2.00000	2.20412	2.34242	2.44716	2.53148	2.60206
41	1.61278	2.00432	2.20683	2.34439	2.44871	2.53275	2.60314
42	1.62325	2.00860	2.20952	2.34635	2.45025	2.53403	2.60423
43	1.63347	2.01284	2.21219	2.34830	2.45179	2.53529	2.60531
44	1.64345	2.01703	2.21484	2.35025	2.45332	2.53656	2.60638
45	1.65321	2.02119	2.21748	2.35218	2.45484	2.53782	2.60746
46	1.66276	2.02531	2.22011	2.35411	2.45637	2.53908	2.60853
47	1.67210	2.02938	2.22272	2.35603	2.45788	2.54033	2.60959
48	1.68124	2.03342	2.22531	2.35793	2.45939	2.54158	2.61066
49	1.69020	2.03743	2.22789	2.35984	2.46090	2.54283	2.61172
50	1.69897	2.04139	2.23045	2.36173	2.46240	2.54407	2.61278
51	1.70757	2.04532	2.23300	2.36361	2.46389	2.54531	2.61384
52	1.71600	2.04922	2.23553	2.36549	2.46538	2.54654	2.61490
53	1.72428	2.05308	2.23805	2.36736	2.46687	2.54777	2.61595
54	1.73239	2.05690	2.24054	2.36922	2.46835	2.54900	2.61700
55	1.74036	2.06070	2.24304	2.37107	2.46982	2.55023	2.61805
56	1.74819	2.06446	2.24551	2.37291	2.47129	2.55145	2.61909
57	1.75587	2.06819	2.24797	2.37475	2.47276	2.55267	2.62014
58	1.76343	2.07188	2.25042	2.37658	2.47422	2.55388	2.62118
59	1.77085	2.07555	2.25285	2.37840	2.47567	2.55509	2.62221
60	1.77815	2.07918	2.25527	2.38021	2.47712	2.55630	2.62325

## Tabula Ultima.

Logarithmica.

Min.	7	8	9	10	11	12	13
Par.	420	480	540	600	660	720	780
0	2.62325	2.68124	2.73239	2.77815	2.81954	2.85733	2.89209
1	2.62428	2.68215	2.73320	2.77887	2.82020	2.85794	2.89265
2	2.62531	2.68305	2.73400	2.77960	2.82086	2.85854	2.89321
3	2.62634	2.68395	2.73480	2.78032	2.82151	2.85914	2.89376
4	2.62737	2.68485	2.73560	2.78104	2.82217	2.85974	2.89432
5	2.62839	2.68574	2.73640	2.78176	2.82282	2.86034	2.89487
6	2.62941	2.68664	2.73719	2.78247	2.82347	2.86094	2.89542
7	2.63043	2.68753	2.73799	2.78319	2.82413	2.86153	2.89597
8	2.63144	2.68842	2.73878	2.78390	2.82478	2.86213	2.89653
9	2.63246	2.68931	2.73957	2.78462	2.82543	2.86273	2.89708
10	2.63347	2.69020	2.74036	2.78533	2.82607	2.86332	2.89763
11	2.63448	2.69108	2.74115	2.78604	2.82672	2.86392	2.89818
12	2.63548	2.69197	2.74194	2.78675	2.82737	2.86451	2.89873
13	2.63649	2.69285	2.74273	2.78746	2.82802	2.86510	2.89923
14	2.63749	2.69373	2.74351	2.78817	2.82866	2.86570	2.89982
15	2.63849	2.69461	2.74429	2.78888	2.82930	2.86629	2.90037
16	2.63949	2.69548	2.74507	2.78958	2.82995	2.86688	2.90091
17	2.64048	2.69636	2.74586	2.79029	2.83059	2.86747	2.90146
18	2.64147	2.69723	2.74663	2.79099	2.83123	2.86806	2.90200
19	2.64246	2.69810	2.74741	2.79169	2.83187	2.86864	2.90255
20	2.64345	2.69897	2.74819	2.79239	2.83251	2.86923	2.90309
21	2.64444	2.69984	2.74896	2.79309	2.83315	2.86982	2.90363
22	2.64542	2.70070	2.74974	2.79379	2.83378	2.87040	2.90417
23	2.64640	2.70157	2.75051	2.79449	2.83442	2.87099	2.90472
24	2.64738	2.70243	2.75128	2.79518	2.83506	2.87157	2.90526
25	2.64836	2.70329	2.75205	2.79588	2.83569	2.87216	2.90580
26	2.64933	2.70415	2.75282	2.79657	2.83632	2.87274	2.90634
27	2.65031	2.70501	2.75358	2.79728	2.83696	2.87332	2.90687
28	2.65128	2.70586	2.75435	2.79796	2.83759	2.87390	2.90741
29	2.65225	2.70672	2.75511	2.79865	2.83822	2.87448	2.90795
30	2.65321	2.70757	2.75587	2.79934	2.83885	2.87506	2.90849

## Tabula Ultima.

Logarithmica.

Min.	7	8	9	10	11	12	13
Par.	420	480	540	600	660	720	780
30	2.65321	2.70757	2.75587	2.79934	2.83885	2.87506	2.90840
31	2.65418	2.70842	2.75664	2.80003	2.83948	2.87564	2.90902
32	2.65514	2.70927	2.75740	2.80072	2.84011	2.87622	2.90956
33	2.65610	2.71012	2.75815	2.80140	2.84073	2.87680	2.91009
34	2.65706	2.71096	2.75891	2.80209	2.84136	2.87737	2.91062
35	2.65801	2.71181	2.75967	2.80277	2.84198	2.87795	2.91116
36	2.65896	2.71265	2.76042	2.80346	2.84261	2.87852	2.91169
37	2.65992	2.71349	2.76118	2.80414	2.84323	2.87910	2.91222
38	2.66087	2.71433	2.76193	2.80482	2.84386	2.87967	2.91275
39	2.66181	2.71517	2.76268	2.80550	2.84448	2.88024	2.91328
40	2.66276	2.71601	2.76343	2.80618	2.84510	2.88081	2.91381
41	2.66370	2.71684	2.76418	2.80686	2.84572	2.88138	2.91434
42	2.66464	2.71767	2.76492	2.80754	2.84634	2.88196	2.91487
43	2.66558	2.71850	2.76567	2.80821	2.84696	2.88252	2.91540
44	2.66652	2.71933	2.76641	2.80889	2.84757	2.88309	2.91593
45	2.66745	2.72016	2.76716	2.80956	2.84819	2.88366	2.91645
46	2.66839	2.72099	2.76790	2.81023	2.84880	2.88423	2.91698
47	2.66932	2.72181	2.76864	2.81090	2.84942	2.88480	2.91751
48	2.67026	2.72263	2.76938	2.81158	2.85003	2.88536	2.91803
49	2.67117	2.72346	2.77012	2.81224	2.85065	2.88593	2.91855
50	2.67210	2.72428	2.77085	2.81291	2.85126	2.88649	2.91908
51	2.67302	2.72509	2.77159	2.81358	2.85187	2.88705	2.91960
52	2.67394	2.72591	2.77232	2.81425	2.85248	2.88762	2.92012
53	2.67486	2.72673	2.77305	2.81491	2.85309	2.88818	2.92065
54	2.67578	2.72754	2.77379	2.81558	2.85370	2.88874	2.92117
55	2.67669	2.72835	2.77452	2.81624	2.85431	2.88930	2.92169
56	2.67761	2.72916	2.77525	2.81690	2.85491	2.88986	2.92221
57	2.67852	2.72997	2.77597	2.81756	2.85552	2.89042	2.92273
58	2.67943	2.73078	2.77670	2.81823	2.85612	2.89098	2.92324
59	2.68034	2.73159	2.77743	2.81886	2.85673	2.89154	2.92376
60	2.68124	2.73239	2.77815	2.81954	2.85733	2.89209	2.92428

## Tabula Ultima.

Logarithmica.

	14	15	16	17	18	19	20
Par.	840	900	960	1020	1080	1140	1200
0	2.92428	2.95424	2.98227	3.00860	3.03242	3.05690	3.07018
1	2.92480	2.95472	2.98272	3.00903	3.03383	3.05728	3.07954
2	2.92531	2.95521	2.98318	3.00945	3.03423	3.05767	3.07990
3	2.92583	2.95569	2.98363	3.00988	3.03463	3.05805	3.08027
4	2.92634	2.95617	2.98408	3.01030	3.03503	3.05842	3.08063
5	2.92686	2.95665	2.98453	3.01072	3.03543	3.05881	3.08099
6	2.92737	2.95713	2.98498	3.01115	3.03583	3.05918	3.08135
7	2.92788	2.95761	2.98543	3.01157	3.03623	3.05956	3.08171
8	2.92840	2.95809	2.98588	3.01199	3.03663	3.05994	3.08207
9	2.92891	2.95856	2.98632	3.01242	3.03703	3.06032	3.08243
10	2.92942	2.95904	2.98677	3.01284	3.03743	3.06070	3.08279
11	2.92993	2.95951	2.98722	3.01326	3.03783	3.06108	3.08314
12	2.93044	2.95999	2.98767	3.01368	3.03823	3.06145	3.08350
13	2.93096	2.96047	2.98811	3.01410	3.03862	3.06183	3.08386
14	2.93146	2.96095	2.98856	3.01452	3.03902	3.06221	3.08422
15	2.93197	2.96142	2.98900	3.01494	3.03941	3.06258	3.08458
16	2.93247	2.96190	2.98945	3.01536	3.03981	3.06296	3.08493
17	2.93298	2.96237	2.98989	3.01578	3.04021	3.06333	3.08529
18	2.93349	2.96284	2.99034	3.01620	3.04060	3.06371	3.08565
19	2.93399	2.96332	2.99078	3.01662	3.04100	3.06408	3.08600
20	2.93450	2.96379	2.99123	3.01703	3.04139	3.06446	3.08636
21	2.93500	2.96426	2.99167	3.01745	3.04179	3.06483	3.08672
22	2.93551	2.96473	2.99211	3.01787	3.04218	3.06521	3.08707
23	2.93601	2.96520	2.99255	3.01828	3.04258	3.06558	3.08743
24	2.93651	2.96567	2.99300	3.01870	3.04297	3.06595	3.08778
25	2.93701	2.96614	2.99344	3.01912	3.04336	3.06633	3.08814
26	2.93752	2.96661	2.99388	3.01953	3.04376	3.06670	3.08849
27	2.93802	2.96708	2.99432	3.01995	3.04415	3.06707	3.08884
28	2.93852	2.96755	2.99476	3.02036	3.04454	3.06744	3.08920
29	2.93902	2.96802	2.99520	3.02078	3.04493	3.06781	3.08955
30	2.93952	2.96848	2.99564	3.02119	3.04532	3.06819	3.08991

## Tabula Ultima.

Logarithmica.

Min.	14	15	16	17	18	19	20
Par.	840	900	960	1020	1080	1140	1200
30	2.93952	2.96848	2.99564	3.02119	3.04532	3.06819	3.08991
31	2.94002	2.96895	2.99607	3.02160	3.04571	3.06856	3.09026
32	2.94052	2.96942	2.99651	3.02202	3.04610	3.06893	3.09061
33	2.94101	2.96988	2.99695	3.02243	3.04650	3.06930	3.09096
34	2.94151	2.97035	2.99739	3.02284	3.04689	3.06967	3.09132
35	2.94201	2.97081	2.99782	3.02325	3.04726	3.07004	3.09167
36	2.94250	2.97128	2.99826	3.02366	3.04766	3.07041	3.09202
37	2.94300	2.97174	2.99870	3.02408	3.04805	3.07078	3.09237
38	2.94349	2.97220	2.99913	3.02449	3.04844	3.07115	3.09272
39	2.94399	2.97267	2.99957	3.02490	3.04883	3.07151	3.09307
40	2.94448	2.97313	3.00000	3.02531	3.04922	3.07188	3.09342
41	2.94498	2.97359	3.00043	3.02572	3.04961	3.07225	3.09377
42	2.94547	2.97405	3.00087	3.02612	3.04999	3.07262	3.09412
43	2.94596	2.97451	3.00130	3.02653	3.05038	3.07298	3.09447
44	2.94645	2.97497	3.00173	3.02694	3.05077	3.07335	3.09482
45	2.94694	2.97543	3.00217	3.02735	3.05115	3.07372	3.09517
46	2.94743	2.97589	3.00260	3.02776	3.05154	3.07408	3.09552
47	2.94792	2.97635	3.00303	3.02816	3.05192	3.07445	3.09587
48	2.94841	2.97681	3.00346	3.02857	3.05231	3.07482	3.09621
49	2.94890	2.97727	3.00389	3.02898	3.05269	3.07518	3.09656
50	2.94939	2.97772	3.00432	3.02938	3.05308	3.07555	3.09691
51	2.94988	2.97818	3.00475	3.02979	3.05346	3.07591	3.09726
52	2.95036	2.97874	3.00518	3.03019	3.05385	3.07628	3.09760
53	2.95085	2.97909	3.00561	3.03060	3.05423	3.07664	3.09795
54	2.95134	2.97955	3.00604	3.03100	3.05461	3.07700	3.09830
55	2.95182	2.98000	3.00647	3.03141	3.05499	3.07737	3.09864
56	2.95231	2.98046	3.00689	3.03181	3.05538	3.07773	3.09899
57	2.95279	2.98091	3.00732	3.03222	3.05576	3.07809	3.09934
58	2.95328	2.98137	3.00775	3.03262	3.05614	3.07846	3.09968
59	2.95375	2.98182	3.00817	3.03302	3.05652	3.07882	3.10003
60	2.95424	2.98227	3.00860	3.03342	3.05690	3.07918	3.10037

## Tabula Ultima.

Logarithmica.

Min.	21	22	23	24	25	26	27
Part.	1260	1320	1380	1440	1500	1560	1620
0	3.10037	3.12057	3.13988	3.15836	3.17609	3.19312	3.20952
1	3.10070	3.12190	3.14019	3.15866	3.17638	3.19340	3.20978
2	3.10106	3.12223	3.14051	3.15897	3.17667	3.19368	3.21005
3	3.10140	3.12256	3.14082	3.15927	3.17696	3.19396	3.21032
4	3.10175	3.12289	3.14114	3.15957	3.17725	3.19424	3.21059
5	3.10209	3.12222	3.14145	3.15987	3.17754	3.19451	3.21085
6	3.10243	3.12253	3.14176	3.16017	3.17783	3.19479	3.21112
7	3.10278	3.12287	3.14208	3.16047	3.17811	3.19507	3.21139
8	3.10312	3.12320	3.14239	3.16077	3.17840	3.19535	3.21165
9	3.10346	3.12353	3.14270	3.16107	3.17869	3.19562	3.21192
10	3.10380	3.12385	3.14301	3.16137	3.17898	3.19590	3.21219
11	3.10415	3.12418	3.14333	3.16167	3.17926	3.19618	3.21245
12	3.10449	3.12450	3.14364	3.16197	3.17955	3.19645	3.21272
13	3.10483	3.12483	3.14395	3.16227	3.17984	3.19673	3.21299
14	3.10517	3.12516	3.14426	3.16256	3.18013	3.19700	3.21325
15	3.10551	3.12548	3.14457	3.16286	3.18041	3.19728	3.21352
16	3.10585	3.12581	3.14489	3.16316	3.18070	3.19756	3.21378
17	3.10619	3.12613	3.14520	3.16346	3.18099	3.19783	3.21405
18	3.10653	3.12646	3.14551	3.16376	3.18127	3.19811	3.21431
19	3.10687	3.12678	3.14582	3.16406	3.18156	3.19838	3.21458
20	3.10721	3.12710	3.14613	3.16435	3.18184	3.19866	3.21484
21	3.10755	3.12743	3.14644	3.16465	3.18213	3.19893	3.21511
22	3.10789	3.12775	3.14675	3.16495	3.18241	3.19921	3.21537
23	3.10823	3.12808	3.14706	3.16524	3.18270	3.19948	3.21564
24	3.10857	3.12840	3.14737	3.16554	3.18299	3.19976	3.21590
25	3.10890	3.12872	3.14768	3.16584	3.18327	3.20003	3.21617
26	3.10924	3.12905	3.14799	3.16613	3.18355	3.20030	3.21643
27	3.10958	3.12937	3.14829	3.16643	3.18384	3.20058	3.21669
28	3.10992	3.12969	3.14860	3.16673	3.18412	3.20085	3.21696
29	3.11025	3.13001	3.14891	3.16702	3.18441	3.20112	3.21722
30	3.11059	3.13033	3.14922	3.16732	3.18469	3.20140	3.21748

## Tabula Ultima.

Logarithmica.

Min.	21	22	23	24	25	26	27
Par.	1260	1320	1380	1440	1500	1560	1620
30	3.11059	3.13033	3.14022	3.16732	3.18469	3.20140	3.21748
31	3.11093	3.13066	3.14053	3.16761	3.18498	3.20167	3.21775
32	3.11126	3.13098	3.14083	3.16791	3.18526	3.20194	3.21801
33	3.11160	3.13130	3.15014	3.16820	3.18554	3.20221	3.21827
34	3.11193	3.13162	3.15045	3.16850	3.18583	3.20249	3.21854
35	3.11227	3.13194	3.15076	3.16879	3.18611	3.20276	3.21880
36	3.11261	3.13226	3.15106	3.16909	3.18639	3.20303	3.21906
37	3.11294	3.13258	3.15137	3.16938	3.18667	3.20330	3.21932
38	3.11327	3.13290	3.15168	3.16967	3.18696	3.20358	3.21958
39	3.11360	3.13322	3.15198	3.16997	3.18724	3.20385	3.21985
40	3.11394	3.13354	3.15229	3.17026	3.18752	3.20412	3.22011
41	3.11428	3.13386	3.15259	3.17055	3.18780	3.20439	3.22037
42	3.11461	3.13418	3.15290	3.17085	3.18808	3.20466	3.22063
43	3.11494	3.13450	3.15320	3.17114	3.18837	3.20493	3.22089
44	3.11528	3.13481	3.15351	3.17143	3.18865	3.20520	3.22115
45	3.11561	3.13513	3.15381	3.17173	3.18893	3.20548	3.22141
46	3.11594	3.13547	3.15412	3.17202	3.18921	3.20575	3.22168
47	3.11628	3.13577	3.15442	3.17231	3.18949	3.20602	3.22194
48	3.11661	3.13609	3.15473	3.17260	3.18977	3.20629	3.22220
49	3.11694	3.13640	3.15503	3.17289	3.19005	3.20656	3.22246
50	3.11727	3.13672	3.15534	3.17319	3.19033	3.20683	3.22272
51	3.11760	3.13704	3.15564	3.17348	3.19061	3.20710	3.22298
52	3.11793	3.13735	3.15594	3.17377	3.19089	3.20737	3.22324
53	3.11826	3.13767	3.15625	3.17406	3.19117	3.20763	3.22350
54	3.11860	3.13799	3.15655	3.17435	3.19145	3.20790	3.22376
55	3.11893	3.13830	3.15685	3.17464	3.19173	3.20817	3.22401
56	3.11926	3.13862	3.15715	3.17493	3.19201	3.20844	3.22427
57	3.11959	3.13893	3.15746	3.17522	3.19229	3.20871	3.22453
58	3.11992	3.13925	3.15776	3.17551	3.19257	3.20898	3.22479
59	3.12024	3.13956	3.15806	3.17580	3.19285	3.20925	3.22505
60	3.12057	3.13988	3.15836	3.17609	3.19313	3.20952	3.22531

## Tabula Ultima.

Logarithmica.

Min.	28	29	30	31	32	33	34
Part.	1680	1740	1800	1860	1920	1980	2040
0	3.22531	3.24055	3.25527	3.26951	3.28330	3.29667	3.30963
1	3.22557	3.24080	3.25551	3.26975	3.28353	3.29688	3.30984
2	3.22583	3.24105	3.25575	3.26998	3.28375	3.29710	3.31005
3	3.22608	3.24130	3.25599	3.27021	3.28398	3.29732	3.31027
4	3.22634	3.24155	3.25624	3.27045	3.28421	3.29754	3.31048
5	3.22660	3.24180	3.25648	3.27068	3.28443	3.29776	3.31069
6	3.22686	3.24204	3.25672	3.27091	3.28466	3.29798	3.31091
7	3.22712	3.24229	3.25696	3.27114	3.28488	3.29820	3.31112
8	3.22737	3.24254	3.25720	3.27138	3.28511	3.29842	3.31133
9	3.22763	3.24280	3.25744	3.27161	3.28533	3.29863	3.31154
10	3.22789	3.24304	3.25768	3.27184	3.28556	3.29885	3.31175
11	3.22814	3.24329	3.25792	3.27207	3.28578	3.29907	3.31197
12	3.22840	3.24353	3.25816	3.27231	3.28601	3.29929	3.31218
13	3.22866	3.24378	3.25840	3.27254	3.28623	3.29951	3.31239
14	3.22891	3.24403	3.25864	3.27277	3.28646	3.29973	3.31260
15	3.22917	3.24428	3.25888	3.27300	3.28668	3.29994	3.31281
16	3.22943	3.24452	3.25912	3.27323	3.28691	3.30016	3.31302
17	3.22968	3.24477	3.25935	3.27346	3.28713	3.30038	3.31323
18	3.22994	3.24502	3.25959	3.27370	3.28735	3.30060	3.31345
19	3.23019	3.24527	3.25983	3.27393	3.28758	3.30081	3.31366
20	3.23045	3.24551	3.26007	3.27416	3.28780	3.30103	3.31387
21	3.23070	3.24576	3.26031	3.27439	3.28803	3.30125	3.31408
22	3.23096	3.24601	3.26055	3.27462	3.28825	3.30146	3.31429
23	3.23121	3.24625	3.26079	3.27485	3.28847	3.30168	3.31450
24	3.23147	3.24654	3.26102	3.27508	3.28870	3.30190	3.31471
25	3.23172	3.24674	3.26126	3.27531	3.28892	3.30211	3.31492
26	3.23198	3.24699	3.26150	3.27554	3.28914	3.30233	3.31513
27	3.23223	3.24724	3.26174	3.27577	3.28937	3.30255	3.31534
28	3.23249	3.24748	3.26198	3.27600	3.28959	3.30276	3.31555
29	3.23274	3.24773	3.26221	3.27623	3.28981	3.30298	3.31576
30	3.23300	3.24797	3.26245	3.27646	3.29003	3.30320	3.31597



## Tabula Ultima.

Logarithmica.

Mjn.	28.	29.	30.	31.	32.	33.	34.
Par.	1680	1740	1800	1860	1920	1980	2040
30	3.23300	3.24797	3.26245	3.27646	3.29003	3.30320	3.31597
31	3.23325	3.24822	3.26269	3.27669	3.29026	3.30341	3.31618
32	3.23350	3.24846	3.26293	3.27692	3.29048	3.30363	3.31639
33	3.23376	3.24871	3.26316	3.27715	3.29070	3.30384	3.31660
34	3.23401	3.24895	3.26340	3.27738	3.29092	3.30406	3.31681
35	3.23426	3.24920	3.26364	3.27761	3.29115	3.30428	3.31702
36	3.23452	3.24944	3.26387	3.27784	3.29137	3.30449	3.31723
37	3.23477	3.24969	3.26411	3.27807	3.29159	3.30471	3.31744
38	3.23502	3.24993	3.26435	3.27830	3.29181	3.30492	3.31765
39	3.23528	3.25018	3.26458	3.27853	3.29203	3.30514	3.31785
40	3.23553	3.25042	3.26482	3.27875	3.29226	3.30535	3.31806
41	3.23578	3.25066	3.26505	3.27898	3.29248	3.30557	3.31827
42	3.23603	3.25091	3.26529	3.27921	3.29270	3.30578	3.31848
43	3.23629	3.25115	3.26553	3.27944	3.29292	3.30599	3.31869
44	3.23654	3.25139	3.26576	3.27967	3.29314	3.30621	3.31890
45	3.23679	3.25164	3.26600	3.27990	3.29336	3.30643	3.31911
46	3.23704	3.25188	3.26623	3.28012	3.29358	3.30664	3.31931
47	3.23729	3.25212	3.26647	3.28035	3.29380	3.30685	3.31952
48	3.23754	3.25237	3.26670	3.28058	3.29403	3.30707	3.31973
49	3.23780	3.25261	3.26694	3.28081	3.29425	3.30728	3.31994
50	3.23805	3.25285	3.26717	3.28103	3.29447	3.30750	3.32015
51	3.23830	3.25310	3.26741	3.28126	3.29469	3.30771	3.32035
52	3.23855	3.25334	3.26764	3.28149	3.29491	3.30792	3.32056
53	3.23880	3.25358	3.26788	3.28172	3.29513	3.30814	3.32077
54	3.23905	3.25382	3.26811	3.28194	3.29535	3.30835	3.32098
55	3.23930	3.25406	3.26834	3.28217	3.29557	3.30856	3.32118
56	3.23955	3.25431	3.26858	3.28240	3.29579	3.30878	3.32139
57	3.23980	3.25455	3.26881	3.28262	3.29601	3.30899	3.32160
58	3.24005	3.25479	3.26905	3.28285	3.29623	3.30920	3.32181
59	3.24030	3.25503	3.26928	3.28308	3.29645	3.30942	3.32201
60	3.24055	3.25527	3.26951	3.28330	3.29667	3.30963	3.32222

## Tabula Ultima

Logarithmica.

Min.	35	36	37	38	39	40	41
Par.	2100	2160	2220	2280	2340	2400	2460
0	3.32222	3.33445	3.34635	3.35793	3.36922	3.38021	3.39094
1	3.32243	3.33465	3.34655	3.35813	3.36940	3.38039	3.39111
2	3.32263	3.33485	3.34674	3.35832	3.36959	3.38057	3.39129
3	3.32284	3.33506	3.34694	3.35851	3.36977	3.38075	3.39146
4	3.32305	3.33526	3.34713	3.35870	3.36996	3.38093	3.39164
5	3.32325	3.33546	3.34733	3.35889	3.37014	3.38112	3.39182
6	3.32346	3.33566	3.34753	3.35908	3.37033	3.38130	3.39199
7	3.32366	3.33586	3.34772	3.35927	3.37051	3.38148	3.39217
8	3.32387	3.33606	3.34792	3.35946	3.37070	3.38166	3.39235
9	3.32408	3.33626	3.34811	3.35965	3.37088	3.38184	3.39252
10	3.32428	3.33646	3.34830	3.35984	3.37107	3.38202	3.39270
11	3.32449	3.33666	3.34850	3.36002	3.37125	3.38220	3.39287
12	3.32469	3.33686	3.34869	3.36021	3.37144	3.38238	3.39305
13	3.32490	3.33706	3.34889	3.36040	3.37162	3.38256	3.39322
14	3.32511	3.33726	3.34908	3.36059	3.37181	3.38274	3.39340
15	3.32531	3.33746	3.34928	3.36078	3.37199	3.38292	3.39358
16	3.32552	3.33766	3.34947	3.36097	3.37218	3.38310	3.39375
17	3.32572	3.33786	3.34967	3.36116	3.37236	3.38328	3.39393
18	3.32593	3.33806	3.34986	3.36135	3.37254	3.38346	3.39410
19	3.32613	3.33826	3.35005	3.36154	3.37273	3.38364	3.39428
20	3.32634	3.33846	3.35025	3.36173	3.37291	3.38382	3.39445
21	3.32654	3.33866	3.35044	3.36192	3.37310	3.38399	3.39463
22	3.32675	3.33885	3.35064	3.36211	3.37328	3.38417	3.39480
23	3.32695	3.33905	3.35083	3.36229	3.37346	3.38435	3.39498
24	3.32715	3.33925	3.35102	3.36248	3.37365	3.38453	3.39515
25	3.32736	3.33945	3.35122	3.36267	3.37383	3.38471	3.39533
26	3.32756	3.33965	3.35141	3.36286	3.37401	3.38489	3.39550
27	3.32777	3.33985	3.35160	3.36305	3.37420	3.38507	3.39568
28	3.32797	3.34005	3.35180	3.36324	3.37438	3.38525	3.39585
29	3.32818	3.34025	3.35199	3.36342	3.37457	3.38543	3.39602
30	3.32838	3.34044	3.35218	3.36361	3.37475	3.38561	3.39620

## Tabula Ultima.

Logarithmica;

Min.	35	36	37	38	39	40	41
Par.	2100	2160	2220	2280	2340	2400	2460
30	3.32838	3.34044	3.35218	3.36361	3.37475	3.38561	3.39620
31	3.32858	3.34064	3.35237	3.36380	3.37493	3.38579	3.39637
32	3.32879	3.34084	3.35257	3.36399	3.37511	3.38596	3.39655
33	3.32899	3.34104	3.35276	3.36418	3.37530	3.38614	3.39672
34	3.32919	3.34124	3.35295	3.36436	3.37548	3.38632	3.39690
35	3.32940	3.34143	3.35315	3.36455	3.37566	3.38650	3.39707
36	3.32960	3.34163	3.35334	3.36474	3.37585	3.38668	3.39724
37	3.32980	3.34183	3.35353	3.36493	3.37603	3.38686	3.39742
38	3.33001	3.34203	3.35372	3.36511	3.37621	3.38703	3.39759
39	3.33021	3.34223	3.35392	3.36530	3.37639	3.38721	3.39777
40	3.33041	3.34242	3.35411	3.36549	3.37658	3.38739	3.39794
41	3.33062	3.34262	3.35430	3.36568	3.37676	3.38757	3.39811
42	3.33082	3.34282	3.35449	3.36586	3.37694	3.38775	3.39829
43	3.33102	3.34301	3.35468	3.36605	3.37712	3.38792	3.39846
44	3.33122	3.34321	3.35488	3.36624	3.37731	3.38810	3.39863
45	3.33143	3.34341	3.35507	3.36642	3.37749	3.38828	3.39881
46	3.33163	3.34361	3.35526	3.36661	3.37767	3.38846	3.39898
47	3.33183	3.34380	3.35545	3.36680	3.37785	3.38863	3.39915
48	3.33203	3.34400	3.35564	3.36698	3.37803	3.38881	3.39933
49	3.33224	3.34420	3.35583	3.36717	3.37822	3.38899	3.39950
50	3.33244	3.34439	3.35603	3.36736	3.37840	3.38917	3.39967
51	3.33264	3.34459	3.35622	3.36754	3.37858	3.38934	3.39985
52	3.33284	3.34479	3.35641	3.36773	3.37876	3.38952	3.40002
53	3.33304	3.34498	3.35660	3.36791	3.37894	3.38970	3.40019
54	3.33324	3.34518	3.35679	3.36810	3.37912	3.38987	3.40037
55	3.33345	3.34537	3.35698	3.36829	3.37931	3.39001	3.40054
56	3.33365	3.34557	3.35717	3.36847	3.37949	3.39023	3.40071
57	3.33385	3.34577	3.35736	3.36866	3.37967	3.39041	3.40088
58	3.33405	3.34596	3.35755	3.36884	3.37985	3.39058	3.40106
59	3.33425	3.34616	3.35774	3.36903	3.38003	3.39076	3.40123
60	3.33445	3.34635	3.35793	3.36922	3.38021	3.39094	3.40140

## Tabula Ultima.

Logarithmica.

Min.	42	43	44	45	46	47	48
Part.	2520	2580	2640	2700	2760	2820	2880
0	3.40140	3.41162	3.42160	3.43136	3.44091	3.45025	3.45939
1	3.40157	3.41179	3.42177	3.43152	3.44107	3.45040	3.45954
2	3.40174	3.41196	3.42193	3.43169	3.44122	3.45056	3.45969
3	3.40192	3.41212	3.42210	3.43185	3.44138	3.45071	3.45984
4	3.40209	3.41229	3.42226	3.43201	3.44154	3.45086	3.46000
5	3.40226	3.41246	3.42243	3.43217	3.44170	3.45102	3.46015
6	3.40243	3.41263	3.42259	3.43233	3.44185	3.45117	3.46030
7	3.40261	3.41280	3.42275	3.43249	3.44201	3.45133	3.46045
8	3.40278	3.41296	3.42292	3.43265	3.44217	3.45148	3.46060
9	3.40295	3.41313	3.42308	3.43281	3.44232	3.45163	3.46075
10	3.40312	3.41330	3.42325	3.43297	3.44248	3.45179	3.46090
11	3.40329	3.41347	3.42341	3.43313	3.44264	3.45194	3.46105
12	3.40346	3.41364	3.42357	3.43329	3.44279	3.45209	3.46120
13	3.40364	3.41380	3.42374	3.43345	3.44295	3.45225	3.46135
14	3.40381	3.41397	3.42390	3.43361	3.44311	3.45240	3.46150
15	3.40398	3.41414	3.42406	3.43377	3.44326	3.45255	3.46165
16	3.40415	3.41430	3.42423	3.43393	3.44342	3.45271	3.46180
17	3.40432	3.41447	3.42439	3.43409	3.44358	3.45286	3.46195
18	3.40449	3.41464	3.42456	3.43425	3.44373	3.45301	3.46210
19	3.40466	3.41481	3.42472	3.43441	3.44389	3.45317	3.46225
20	3.40483	3.41497	3.42488	3.43457	3.44404	3.45332	3.46240
21	3.40500	3.41514	3.42504	3.43473	3.44420	3.45347	3.46255
22	3.40518	3.41531	3.42521	3.43489	3.44436	3.45362	3.46270
23	3.40535	3.41547	3.42537	3.43505	3.44451	3.45378	3.46285
24	3.40552	3.41564	3.42553	3.43521	3.44467	3.45393	3.46300
25	3.40569	3.41581	3.42570	3.43537	3.44483	3.45408	3.46315
26	3.40586	3.41597	3.42586	3.43553	3.44498	3.45423	3.46330
27	3.40603	3.41614	3.42602	3.43569	3.44514	3.45439	3.46345
28	3.40620	3.41631	3.42619	3.43585	3.44529	3.45454	3.46359
29	3.40637	3.41647	3.42635	3.43600	3.44545	3.45469	3.46374
30	3.40654	3.41664	3.42651	3.43616	3.44560	3.45484	3.46389

## Tabula Ultima.

Logarithmica.

Min.	42	43	44	45	46	47	48
1 ar.	2520	2580	2640	2700	2760	2820	2880
30	3.40654	3.41644	3.42651	3.43616	3.44560	3.45484	3.46389
31	3.40671	3.41681	3.42667	3.43632	3.44576	3.45500	3.46404
32	3.40688	3.41697	3.42684	3.43648	3.44592	3.45515	3.46419
33	3.40705	3.41714	3.42700	3.43664	3.44607	3.45530	3.46434
34	3.40722	3.41731	3.42716	3.43680	3.44623	3.45545	3.46449
35	3.40739	3.41747	3.42732	3.43696	3.44638	3.45561	3.46464
36	3.40756	3.41764	3.42749	3.43712	3.44654	3.45576	3.46479
37	3.40773	3.41780	3.42765	3.43727	3.44669	3.45591	3.46494
38	3.40790	3.41797	3.42781	3.43743	3.44685	3.45606	3.46509
39	3.40807	3.41814	3.42797	3.43759	3.44700	3.45621	3.46523
40	3.40824	3.41830	3.42813	3.43775	3.44716	3.45637	3.46538
41	3.40841	3.41847	3.42830	3.43791	3.44731	3.45652	3.46553
42	3.40858	3.41863	3.42846	3.43807	3.44747	3.45667	3.46568
43	3.40875	3.41880	3.42862	3.43823	3.44762	3.45682	3.46583
44	3.40892	3.41896	3.42878	3.43838	3.44778	3.45697	3.46599
45	3.40909	3.41913	3.42894	3.43854	3.44793	3.45712	3.46613
46	3.40926	3.41929	3.42911	3.43870	3.44809	3.45728	3.46627
47	3.40943	3.41946	3.42927	3.43886	3.44824	3.45743	3.46642
48	3.40960	3.41963	3.42943	3.43902	3.44840	3.45758	3.46657
49	3.40976	3.41979	3.42959	3.43917	3.44855	3.45773	3.46671
50	3.40993	3.41996	3.42975	3.43933	3.44871	3.45788	3.46687
51	3.41010	3.42012	3.42991	3.43949	3.44886	3.45803	3.46702
52	3.41027	3.42029	3.43008	3.43965	3.44902	3.45818	3.46716
53	3.41044	3.42045	3.43024	3.43981	3.44917	3.45834	3.46731
54	3.41061	3.42062	3.43040	3.43996	3.44932	3.45849	3.46746
55	3.41078	3.42078	3.43056	3.44012	3.44948	3.45864	3.46761
56	3.41095	3.42095	3.43072	3.44028	3.44963	3.45879	3.46776
57	3.41112	3.42111	3.43088	3.44044	3.44979	3.45894	3.46790
58	3.41128	3.42127	3.43104	3.44059	3.44994	3.45909	3.46805
59	3.41145	3.42144	3.43120	3.44075	3.45009	3.45924	3.46820
60	3.41162	3.42160	3.43136	3.44091	3.45025	3.45939	3.46835

## Tabula Ultima.

Logarithmica.

Min.	49	50	51	52	53	54	55
Part.	2940	3000	3060	3120	3180	3240	3300
0	3.46835	3.47712	3.48572	3.49415	3.50243	3.51055	3.51851
1	3.46850	3.47727	3.48586	3.49429	3.50256	3.51068	3.51865
2	3.46864	3.47741	3.48601	3.49443	3.50270	3.51081	3.51878
3	3.46879	3.47756	3.48615	3.49457	3.50284	3.51095	3.51891
4	3.46894	3.47770	3.48629	3.49471	3.50297	3.51108	3.51904
5	3.46909	3.47784	3.48643	3.49485	3.50311	3.51121	3.51917
6	3.46923	3.47799	3.48657	3.49499	3.50325	3.5113	3.51930
7	3.46938	3.47813	3.48671	3.49513	3.50338	3.51148	3.51943
8	3.46953	3.47828	3.48686	3.49527	3.50352	3.51162	3.51957
9	3.46967	3.47842	3.48700	3.49541	3.50365	3.51175	3.51970
10	3.46982	3.47857	3.48714	3.49554	3.50379	3.51188	3.51983
11	3.46997	3.47871	3.48728	3.49568	3.50393	3.51202	3.51996
12	3.47012	3.47886	3.48742	3.49582	3.50406	3.51215	3.52009
13	3.47026	3.47900	3.48756	3.49596	3.50420	3.51228	3.52022
14	3.47041	3.47914	3.48770	3.49610	3.50433	3.51242	3.52035
15	3.47056	3.47929	3.48785	3.49624	3.50447	3.51255	3.52048
16	3.47070	3.47943	3.48799	3.49638	3.50461	3.51268	3.52061
17	3.47085	3.47958	3.48813	3.49651	3.50474	3.51282	3.52075
18	3.47100	3.47972	3.48827	3.49665	3.50488	3.51295	3.52088
19	3.47115	3.47986	3.48841	3.49679	3.50501	3.51308	3.52101
20	3.47129	3.48001	3.48855	3.49693	3.50515	3.51322	3.52114
21	3.47144	3.48015	3.48869	3.49707	3.50529	3.51335	3.52127
22	3.47159	3.48029	3.48883	3.49721	3.50542	3.51348	3.52140
23	3.47173	3.48044	3.48897	3.49734	3.50556	3.51362	3.52153
24	3.47188	3.48058	3.48911	3.49748	3.50569	3.51375	3.52166
25	3.47202	3.48073	3.48926	3.49762	3.50583	3.51388	3.52179
26	3.47217	3.48087	3.48940	3.49776	3.50596	3.51402	3.52192
27	3.47232	3.48101	3.48954	3.49790	3.50610	3.51415	3.52205
28	3.47246	3.48116	3.48968	3.49804	3.50623	3.51428	3.52218
29	3.47261	3.48130	3.48982	3.49817	3.50637	3.51441	3.52231
30	3.47276	3.48144	3.48996	3.49831	3.50651	3.51455	3.52244

## Tabula Ultima:

Logarithmica.

Min.	49	50	51	52	53	54	55
Par.	2940	3000	3060	3120	3180	3240	3300
30	3.47276	3.48144	3.48996	3.49831	3.50651	3.51455	3.52244
31	3.47290	3.48159	3.49010	3.49845	3.50664	3.51468	3.52257
32	3.47305	3.48173	3.49024	3.49859	3.50678	3.51481	3.52271
33	3.47319	3.48187	3.49038	3.49872	3.50691	3.51495	3.52284
34	3.47334	3.48202	3.49052	3.49886	3.50705	3.51508	3.52297
35	3.47349	3.48216	3.49066	3.49900	3.50718	3.51521	3.52310
36	3.47363	3.48230	3.49080	3.49914	3.50732	3.51534	3.52323
37	3.47378	3.48244	3.49094	3.49927	3.50745	3.51548	3.52336
38	3.47392	3.48259	3.49108	3.49941	3.50759	3.51561	3.52349
39	3.47407	3.48273	3.49122	3.49955	3.50772	3.51574	3.52362
40	3.47422	3.48287	3.49136	3.49969	3.50786	3.51587	3.52375
41	3.47436	3.48302	3.49150	3.49982	3.50799	3.51601	3.52388
42	3.47451	3.48316	3.49164	3.49996	3.50813	3.51614	3.52401
43	3.47465	3.48330	3.49178	3.50010	3.50826	3.51627	3.52414
44	3.47480	3.48344	3.49192	3.50024	3.50840	3.51640	3.52427
45	3.47494	3.48359	3.49206	3.50037	3.50853	3.51654	3.52440
46	3.47509	3.48373	3.49220	3.50051	3.50866	3.51667	3.52453
47	3.47524	3.48387	3.49234	3.50065	3.50880	3.51680	3.52466
48	3.47538	3.48402	3.49248	3.50079	3.50893	3.51693	3.52479
49	3.47553	3.48416	3.49262	3.50092	3.50907	3.51706	3.52492
50	3.47567	3.48430	3.49276	3.50106	3.50920	3.51720	3.52504
51	3.47582	3.48444	3.49290	3.50120	3.50934	3.51733	3.52517
52	3.47596	3.48458	3.49304	3.50133	3.50947	3.51746	3.52530
53	3.47611	3.48473	3.49318	3.50147	3.50961	3.51759	3.52543
54	3.47625	3.48487	3.49332	3.50161	3.50974	3.51772	3.52556
55	3.47640	3.48501	3.49346	3.50174	3.50987	3.51786	3.52569
56	3.47654	3.48515	3.49360	3.50188	3.51001	3.51799	3.52582
57	3.47669	3.48530	3.49374	3.50202	3.51014	3.51812	3.52595
58	3.47683	3.48544	3.49388	3.50215	3.51028	3.51825	3.52608
59	3.47698	3.48558	3.49402	3.50229	3.51041	3.51838	3.52621
60	3.47712	3.48572	3.49415	3.50243	3.51055	3.51851	3.52634

## Tabula Ultima

Logarithmica.

Min.	56	57	58	59
Par.	3360	3420	3480	3540
0	3.52634	3.53403	3.54158	3.54900
1	3.52647	3.53415	3.54170	3.54913
2	3.52660	3.53428	3.54183	3.54925
3	3.52673	3.53441	3.54195	3.54937
4	3.52686	3.53453	3.54208	3.54949
5	3.52699	3.53466	3.54220	3.54962
6	3.52711	3.53479	3.54233	3.54974
7	3.52724	3.53491	3.54245	3.54986
8	3.52737	3.53504	3.54258	3.54998
9	3.52750	3.53517	3.54270	3.55011
10	3.52763	3.53529	3.54283	3.55023
11	3.52776	3.53542	3.54295	3.55035
12	3.52789	3.53555	3.54307	3.55047
13	3.52802	3.53567	3.54320	3.55060
14	3.52815	3.53580	3.54332	3.55072
15	3.52827	3.53593	3.54345	3.55084
16	3.52840	3.53605	3.54357	3.55096
17	3.52853	3.53618	3.54370	3.55108
18	3.52866	3.53631	3.54382	3.55121
19	3.52879	3.53643	3.54394	3.55133
20	3.52892	3.53656	3.54407	3.55145
21	3.52905	3.53668	3.54419	3.55157
22	3.52917	3.53681	3.54432	3.55169
23	3.52930	3.53694	3.54444	3.55182
24	3.52943	3.53706	3.54456	3.55194
25	3.52956	3.53719	3.54469	3.55206
26	3.52969	3.53732	3.54481	3.55218
27	3.52982	3.53744	3.54494	3.55230
28	3.52994	3.53757	3.54506	3.55242
29	3.53007	3.53769	3.54518	3.55255
30	3.53020	3.53782	3.54531	3.55267



# Tabula Ultima.

305

Logarithmica.

Min.	56	57	58	59
Par.	3360	3420	3480	3540
30	3.53020	3.53782	3.54521	3.55267
31	3.53033	3.53795	3.54543	3.55279
32	3.53046	3.53807	3.54555	3.55291
33	3.53058	3.53820	3.54568	3.55303
34	3.53071	3.53832	3.54580	3.55315
35	3.53084	3.53845	3.54592	3.55328
36	3.53097	3.53857	3.54605	3.55340
37	3.53110	3.53870	3.54617	3.55352
38	3.53122	3.53883	3.54630	3.55364
39	3.53135	3.53895	3.54642	3.55376
40	3.53148	3.53908	3.54654	3.55388
41	3.53161	3.53920	3.54667	3.55400
42	3.53173	3.53933	3.54679	3.55413
43	3.53186	3.53945	3.54691	3.55425
44	3.53199	3.53958	3.54704	3.55437
45	3.53212	3.53970	3.54716	3.55449
46	3.53224	3.53983	3.54728	3.55461
47	3.53237	3.53995	3.54741	3.55473
48	3.53250	3.54008	3.54753	3.55485
49	3.53263	3.54020	3.54765	3.55497
50	3.53276	3.54033	3.54777	3.55509
51	3.53288	3.54045	3.54790	3.55522
52	3.53301	3.54058	3.54802	3.55534
53	3.53314	3.54070	3.54814	3.55546
54	3.53326	3.54083	3.54827	3.55558
55	3.53339	3.54095	3.54839	3.55570
56	3.53352	3.54108	3.54851	3.55582
57	3.53365	3.54120	3.54864	3.55594
58	3.53377	3.54133	3.54876	3.55606
59	3.53390	3.54145	3.54888	3.55618
60	3.53403	3.54158	3.54900	3.55630

OBSERVATIONES  
NON NULLE*Pro Eclipsi Solari Anni 1733.*

**U**T Tabularum harum cum Cælo consensum, & methodum geometricam comprobarem, Observationes, quas potui, hinc inde collegi, quas hic recensere haud displicet. Harum primam mihi Cl. ac Eruditiss. Vir Andreas Celsius Berolini factam per literas communicavit, cui numeros temporarios correspondentes per solitam projectionem reperi, quos mox unâ cum aliis aliorum Authorum observationibus subiungam. Neque illas, quas ad me misit in nova sua ad Commertium Astronomicum invitatione Cl. Vir Michael Adelbulner Norimbergenfis oblivioni tradam; imò epistolam suam dignissimam ad me missam inferere placet, ut Astronomiæ cultoribus tam utile institutum innotescat, crescatq. rerum cælestium perscrutandarum amor, & cura præcipua. Huiusmodi sunt epistolæ & observationes antedictæ.

*Reverendissimo & Clarissimo Viro*

Dom. Canonico ANGELO CAPELLO

S. P. D.

ANDREAS CELSIUS.

**S**ingularem tuam humanitatem, & favorem mihi Venetiis præstitum gratissima mente agnosco. Jam, ut promisi, observationem meam Tibi mitto. Neque initium, neque finem istius Eclipsis observare potui. Poterit tamen hæc observatio inservire ejusmodi exemplo, quo singularum Phasium determinatio ostendatur. Festinantem calamum, rogo, excuses, & rebus meis hæc compositis plura à me expectes Vale.

Dabam Bononiæ die 7. Octob. 1733.

Phases aliquot Eclipsis Solis die 13. Maii 1733. post meridiem in Observatorio Regio Berolinensi inter nubes micrometro Kirchiano dimensa.

Celsio ex observatione					Nobis ex circino				
Temp. verum			Quantit.		Temp. verum			Quantitas	
H.	M.	S.	Dig.	M.	H.	M.	S.	Dig.	M. M.
6	54	57	4	36	6	55		4	20 16
7	2	55	6	16	7	3		6	20 4
7	11	27	8	14	7	12		8	27 13
7	22	20	10	20	7	22		10	26 6
7	28	9	11	6	7	28		11	3 3
7	30	2	10	50	7	30		10	56 6
7	31	54	10	34	7	32		10	40 6
7	33	27	10	11	7	33		10	19 8
7	35	24	9	54	7	35		10	2 8

per nubes

per nubes

dub.

Cusp. luc.

horiz.

Insuper ait Cl. Celsius: *N. B. Phases inter se collata requirere videntur, ut maxima obscuratio ponatur fieri circa 7. h. 21. l; adeo ut crediderim h. 7. 28. 9, cum Sol è nubibus emergebat, eclipsin à quantitate maxima aliquot forte minutis defecisse.*

Sed & cum observationibus a P. P. Societatis Jesu Ingolstadii. & Ratisbonæ habitis admodum consentiunt calculi nostri, quos tamen pro Ingolstadii tantum latitudine subduximus, & hic apponimus.

	Ingolstadii ex observ.			Nobis ex circino.		Ratisbonæ ex observ.		
	H	l	ll	H	l	H	l	ll
Initium	6	34	24	6	36	6	36	16
Digitus I	6	38	11	6	39	6	39	7
II	—	—	—	6	44	6	43	5
III	6	46	36	6	48	6	47	4
IV	6	51	9	6	53	6	51	33
VI	6	59	3	7	2	—	—	—
VIII	—	—	—	7	11	7	10	1
IX	—	—	—	7	15	7	14	59
X	7	22	0	7	22	7	22	0
Summa obscur. X.	7	27	0	7	25	7	27	0

dig. X. 12.      dig. X. 10. proxime;

Prætera ait Celsius in alia epistola tempus Phasis cum cælo consensum mirandum referre, cui tale responsum dedi.

*Clariss. ac Eruditissimo Viro*

DOMIMO ANDREÆ CELSIO

Canonicus Angelus Capellus

F.

**Q**uo ad observationem tuam Berolini factam refert, lætor summopere tempus projectionis meæ cum Cælo satis bene consentire; sed Tabula Hydræ in obs. ratione concordant, in tempore discrepant. Præterea quæ ex projectione meâ collegi, hæc sunt.

Berolini ( Initium h. 6. 36.

Medium h. 7. 27. & digitus obscur. 11. 3.

Occidit ☉ h. 7. 45. deficiens dig. 7. 47.

Lipsiæ ( Initium h. 6. 34. Cl. M. HEINSIUS initium observavit h. 6. 30. 18.

Medium h. 7. 26. cum obscuracione dig. 10. 30. Iose tamen ait terminum maximæ obscuracionis intra 18. & 20. minuta post horam septimam constitutum fuisse, maximamq. obscuracionem dig. t. 10.  $\frac{1}{2}$  idequasse, ut ex numero V. pa. 40. commercii Astronom. Cl. Adclbulner habetur.

- Upsalæ** ( Initium h. 6. 46.  
Medium h. 7. 42. digiti obscur. 11.  $\frac{1}{2}$  circ. Celsius tamen ait fuisse totalem.  
Occidit ☉ h. 8. 20. deficiens digiti 1. 42.
- Parisiis** ( Initium h. 6. 4.  
Medium h. 6. 57. digiti obsc. 9. 34.  
Occidit ☉ h. 7. 31. deficiens dig. 3. 30.  
Initium h. 5. 48.  
Londini ) Medium h. 6. 41. digiti obscur. 10. 1.  
Finis h. 7. 33.

Ex his locis nullam habeo observationem cum qua calculos comparem.  
Witembergæ tamen Saxonum Phases Solaris eclipsis tam bene concordant,  
ita ut levis in maxima obscuracione quantitatis dissensus vix attendendus sit,  
ut ex appositis calculis videre est.

Observavit itaque Witembergæ Saxonum Cl. Vir Joannes Fridericus  
VVeidlerus Matheos Profesi. appositas Phases.

VVeidlerus				Nos	
Initium H.	l.	ll	Digiti	H.	M.
6. 36.	5	0.	0.	6.	36
6. 39.	50	1.	1.	6.	40
6. 45.	5	2.	2.	6.	44
6. 48.	50	3.	3.	6.	49
6. 52.	50	4.	4.	6.	53
6. 58.	5	5.	5.	6.	58
7. 2.	50	6.	6.	7.	3
7. 7.	5	7.	7.	7.	6
7. 10.	50	8.	8.	7.	11
7. 15.	50	9.	9.	7.	16
7. 19.	50	10.	10.	7.	21
7. 29.	20	11.	11.	7.	26

Dir.  $\frac{1}{2}$ 10.  $\frac{1}{2}$  maxima obscur.

Sol tenuis subit nubes, nec tamen deprehendi potuit notabilis ultra 11.  
digitos excessus ( ait VVeidlerus )

Decrementum.

7. 35.	50	10.	7.	35
7. 40.	50	9.	7.	40
7. 44.	50	8.	7.	45

Sol occidit h. 7. 46. 50.  
Vides igitur Vir Humanissime quam parum à Cælo dissentiant tam pro temore,  
quam pro Eclipses quantitate definienda appositi calculi. Cæterum observa-  
tiones alias, si quas habes ad me mittere ne cesses, etiam atque etiam oro,  
obsæcroque. Interim Tibi officia mea libenti animo exhibens, diuturnam à Cælo  
valetudinem deprecor.

Dabam Venetiis Xal. Decemb. A. 1733.

Obfer.

Observationes alias ne nimius sim prætermitto, & de Commercio Norimbergensi nunquam satis laudato mentionem facio; in cuius gratiam epistolam quasdam hic apponere mihi placet, invitandi causa Astronomos omnes ad institutum hoc promovendum, & per Orbem litterarium communicandum. Ejusmodi sunt sequentes epistolæ.

CLARISSIMO VIRO

MICHAELI ADELBULNER

*Matheseos Cultori Norimbergenfi.*

CAN. ANGELUS CAPELLUS.

R.

**N**escio quo fato, VIR CLARISSIME, ad manus, meas *Invitatio illa Tua ad Commmercium litterarium in rei astronomica incrementum*, pervenerit, quæ tamen mihi ab Excellentissimo Viro D. ANDREA CELSIO Profesi. Upsalienfi in Astronomicis rebus versatissimo, imò ejusdem Commmercii Promotori solertissimo allata est. Quapropter magnopere mihi gratulandum est, non tam quia ejusdem summi Viri colloquio, & familiaritate dignatus fui, verum etiam quod Tibi officia mea libenti animo parandi ansam talis occasio suppeditet, & me in Tuo litterario Instituto adscriptum velis. Sed quo pacto hoc fieri possit, ignoro. Ego enim & Observatorio, & instrumentis ad hoc necessariis ita destitutus sum, ut quod a me petis præstare nunquam possim. Unum hoc tamen Te monendum censeo me Tibi eclipsium solis & Lunæ calculos antequam contingant commodare posse; ea enim est mei studii facultas, supputationibus videlicet dietim incumbere. Quo ad rem Astronomicam pertinet tandem è prelo exit *Astrosophia mea numerica* in Libros 4. digesta, quæ calculos omnes astronomicos numerorum ope exponit. Præterea publici juris sunt quotannis Ephemerides cœlestium motuum alias italicæ, nunc vero latino idiomate, ut omnibus nationibus inserviant. Observationes nunc temporis nullas mitto, sed quam primum nonnullas à Cl. Viro Marchione Joanne Poleno Matheseos Professori Patavino Observatori solertissimo, mihiq; conjunctissimo habere curabo. Interim Commmercium Tuum prosequere, ac ubi Te me adjuvare posse cogitas, imperare ne cesses. Vale.

Venetii Kalendis Octob. A. 1734.

*Viro Summe Reverendo, atque Eruditissimo*

DOM: ANGELO CAPELLO  
CANONICO

Patrono & Fautori suo maxime colendo

S. P. D.

MICHAEL ADELBULNER.

**Q**Uantum voluptatis ex litteris Tuis humanissimis primo Calend. Octobris ad me datis, ceperim, verbis explicare nunquam satis possum. Quidquid enim mea votorum desideria continent, eidem cumulatissime responsum iri, Tua singularis benévolutia spem largam prolixamque facit. Eadem verò etiam jure quodam suo à me dudum exegisset, ut, quod possum, hunc saltem animum gratum obstrictumque Tibi declarassem. Sed accipe hujus moræ causam, & veniam, quæ Tua est humanitas, haud difficulter mihi dabis. Ex eo nimirum omnis hæc litterarum tarditas petenda est, quod meas ad Te litteras prius pervenire nolebam, quam simul *Commerci* Astronomici philias adiungere possem. Interea verò temporis, quo hæc agito, altera Tua adest epistola, eaque ipsa urget, ne diutius responsum differrem, unde intelligeres, & recte me Tuas accepisse litteras, & ita me his esse affectum, ut summæ felicitatis loco reputem, quod dignus Tibi videar, quem consilio Tuo regas, quique manus auxiliatrices porrigas, admoveasque. Arduum, fateor, opus aggredior, qui de Commercio Astronomico typis evulgando cepi consilium; Sed ejus tamen me nequaquam poenitere potest, quum Te, Tuique similes patronos adeptus sim, qui mecum in partes venire promiserunt. Quam Tuam tam benevolam, tamque mihi gratam voluntatem, ut perpetuam erga me constantemque esse velis, ea, qua par est, observantia oro contendoque Quod si autem plurima roganti, plura rogare permiseris, etiam atque etiam vellem, ut omnes Tuos calculos præcipuorum cœli phenomenorum, quæ A. 1734 apparebunt, nec non opera, Tua, aliorumque astronomica, vel saltem eorundem recensionem, itemque observationes astronomicas, præcipue autem ab Illustr. March. Dom. POLENO Institutas, uno verbo quæcumque ad Astronomiam referri posse Tibi videntur, mecum benevole communices: Omnia enim, quæ mihi scripsisti, nova, jam Num. I. inserta sunt, quem ut brevi una cum reliquis accipias, curabo, mercatorum opera usus, quibus & Tu, si placet permittere tute poteris, quæcumque ad me perlata velis. De reliquo, siquid est, quod hic à me, aut Tibi, aut Tuorum culpam curatum velis, quæso Te plane persuadeas Tibi, me omnia Tua causa semper cupidissime diligentissimeque facturum. Vale Vir CELEBERIME, Commerci Astronomici columen præstantissimum, & perge, ut facis, favere illi, qui in Tuis virtutibus venerandis perpetuas suas collocavit rationes.

Dabam Norimbergæ die 26. Novembr. 1733.

*Viro summe Reverendo atque Excellentissimo*

# DOM: ANGELO CAPELLO

Canon. & Astronomo Celeberimo Patrono & Fautori suo  
maxime coleudo.

S. P. D.

MICHAEL; ADELBULNER:

**B**inas quas transmissi litteras, una cum aliquot Commercii Astronomiei numeris, Tibi, & Illustr. Marchioni POLENO destinatis ad manus Tuas nondum pervenisse, vehementer doleo. Ex quo enim CAPELLI EXCELLENTISSIME, Tuum assensum, favoremque meis conatibus animum intellexi, nihil sane habui antiquius, quam ut hanc Tibi gratam obstrictimque mentem declararem, simul & votorum, summam adjungerem, quibus Tua tam insignis humanitas, & mihi & Instituto meo constans & perpetua esse jubeatur. Factum id est ea, qua potui ac debui, observantia, prioribus illis litteris, ~~quae die 22. Novembr. ann. p. ad Te perscripsi~~: Posteriores die 11. Januarii a. c. exaratae, ejusdem ~~fore~~ ~~erant~~ ~~argumenti~~, comitemque bigam duorum, qui tunc prelo exierunt, numerorum Com. Astron. habebant, quorum alter Tibi alter Illustri Marchioni dicabatur; cui simul spectatim, Tua interpretis opera, meam observantissimae mentis rationem significatam, meamque instituti parvitatem, quam potes, maxime volui commendatam. Verum enim vero quum ex fatorum quadam malignitate ista haec nondum Tibi tradita sint, etiam atque etiam oro contendoque, nolis mihi *vir humanissime*, qui omni omnino culpa negligentiae cujusdam immunis sum, succensere, aut unquam committere, ut indignus ex eo Tibi videar, cui auxiliatrices porro manus porrigas, admoveasque. Satis enim superque scio quantum dignitatis simul & adjumenti huic meo Instituto accessurum foret, si & Tu mecum in partes venire, hocque commercium curae cordique habere non graveris. Perge itaque CAPELLI HUMANISSIME, ut cepisti ad me quam saepissime poteris, de Tuis, aliorumque Tui similium lucubrationibus referre, omniaque, quae ad Astronomiam pertinere, rerumque astronomicarum Commercio inferenda esse Tibi judicantur, mecum benevole communicare. Et sane perquam gratum mihi esset, si prima quaque occasione calculos Tuos praecipuorum hujus anni caeli phenomenorum, nec non operis Tui eruditissimi recensionem, & si fieri posset, nonnullas a Illustr. Marchione POLENO Observationes ad me mittendas curares. Ego qui nimium me Tibi hoc beneficio devinctum esse fateor, nihil unquam intermissurus ero, quo animi hujus pietatem, saltem quantum possum, certam Tibi exploratamque reddam. Ita vale CAPELLI EXCELLENTISSIME, Commercii astronomici PATRONE, inter primos numerande, mihi quae quod facis, favere perge. Iterum vale.

Dabam Norimbergae die 14. April. A. 1734.

Ch.

*Clarissimo ac Solertissimo Viro Astronomisi Commercii  
Institutori diligentissimo.*

MICHAELI ADELBULNER  
CANONICUS CAPELLUS,

S. P. D.

**D**E factorum malignitate non est cur doleas VIR HUMANISSIME; duō enim nudiū tertius de Commercio Tuo Astronomico Exemplaria ad me pervenerunt, quorum unum Marchioni POLENO (ut iussisti) communicavi, sed ab ipso nondum responsum accepi. Putabam tamen Te multa plura ad me mittere, cum enim solum primum a CL. CELSIO mihi commendatum variis Astronomiæ amatoribus distribuerim, exemplaria etiam ipsi libenter dedissem cum onere tamen debito & necessario. Immo CELSIUS ipse unum exemplar à me postulavit, quod ipsi tradere haud potui sui. Si exemplaria saltem sex vel septem mihi transmittere Tibi in placito erit, de impendio ad debitum tempus sollicitus ero. Næ ab his litteris abstinuissem, nisi futura solis eclipsis, ejus calculum postulasti immineret. Parva igitur, quæ possum, exhibeo.

Die 2. Maij 1734. parvus alicubi observabitur Solis defectus. In loco Tuo, idest Norimbergæ initium juxta Astrosophiæ meæ calculos hor. 22. 43. medium seu summa obscuratio hor. 23. 6. Finis autem hor. 23. 33. contingent. cum digitorum parte aliqua obscurata, scilicet 0.50 / A. Sicuti Ingolstadij initium hor. 22. 41. medium hor. 23. 2. finisq. hor. 23. 30. & digiti 0.40. Berolini sit umbræ contactus non vero in discum Solis ingressus. Lipsiæ autem & Londini vix factō ingressu recedit; ita ut nulla sensibilis futura sit obscuratio. Venetiis tamen defectum digiti unius &  $\frac{x}{j}$  observandum calculi, quæ utor, præbent. Romæ quidem multo majorem digitorum scilicet duorum cum semisse.

Statim ac Marchio Polenus mihi aliquid miserit, per litteras communicabo. Cæterum si Tibi ad CL. WVISTHON litteras mittere permissum foret, opus meum pro suis Prælectionibus Phisicis, & Astronomicis permutarem. Alias crumenæ non parcam, dummodo sic jubeas. Responsum Tuum per Tabellionem multo citius ac libentius, quam per aliam viam accipiam. Interim dum officia mea, qualiacumque sint Tibi exhibeo, vale, & valete stude.

Dabam Venetijs xvi. Idus Aprilis 1734.

---

Si epistolæ aliæ aliorumve Auctorum ad me missæ hic apponendæ essent; nimis essem, & metas Astrosophiæ nostræ numericæ excederem. Quapropter supersedendi jam jam tempus erit.

F I N I S.



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
841  
842  
843  
844  
845  
846  
847  
848  
849  
850  
851  
852  
853  
854  
855  
856  
857  
858  
859  
860  
861  
862  
863  
864  
865  
866  
867  
868  
869  
870  
871  
872  
873  
874  
875  
876  
877  
878  
879  
880  
881  
882  
883  
884  
885  
886  
887  
888  
889  
890  
891  
892  
893  
894  
895  
896  
897  
898  
899  
900  
901  
902  
903  
904  
905  
906  
907  
908  
909  
910  
911  
912  
913  
914  
915  
916  
917  
918  
919  
920  
921  
922  
923  
924  
925  
926  
927  
928  
929  
930  
931  
932  
933  
934  
935  
936  
937  
938  
939  
940  
941  
942  
943  
944  
945  
946  
947  
948  
949  
950  
951  
952  
953  
954  
955  
956  
957  
958  
959  
960  
961  
962  
963  
964  
965  
966  
967  
968  
969  
970  
971  
972  
973  
974  
975  
976  
977  
978  
979  
980  
981  
982  
983  
984  
985  
986  
987  
988  
989  
990  
991  
992  
993  
994  
995  
996  
997  
998  
999  
1000

1

